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THE URSINUS BULLETIN Vol. XXVI, No. 1 First Quarter, 1928

Ursinus College 1927-1928



URSINUS COLLEGE

COLLEGEVILLE

COLLEGEVILLE, PENNSYLVANIA

CATALOGUE

OF

URSINUS COLLEGE

1927-1928

"An Institution where the youth of the land can be liberally educated under the benign influence of Christianity."—*The Founders*.

COLLEGEVILLE, PENNSYLVANIA

PUBLISHED BY THE COLLEGE

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CALENDAR

	1928	
Mar.	30, Friday,	EASTER RECESS begins, 5 p. m.
Apr.	10, Tuesday,	Recess ends, 8 a. m.
Apr.	25, Wednesday,	Last day for making room deposits.
May	15, Tuesday,	Last day for filing schedules for 1928-29.
May	17, Thursday,	Last day for submitting honor papers.
May	30, Wednesday,	Last day, registration for Department Honors
May	31, Thursday,	Second Semester Examinations begin.
Iune	8. Friday,	Examinations for Admission.
Iune	8. Friday,	Class Day Exercises, 2 p. m.
Iune	8. Friday,	Junior Oratorical Contests, 8 p. m.
June	9. Saturday,	Annual Meeting of the Directors, 10 a.m.
Iune	9. Saturday,	Alumni Meeting, 1 p. m.
June	9, Saturday,	Alumni Banquet, 5.30 p. m.
Iune	9, Saturday,	President's Reception, 8 p. m.
June	10, Sunday,	Baccalaureate Service, 10.30 a. m.
June	10, Sunday,	Oratorio, 8 p. m.
June	11, Monday,	Commencement, 10 a. m.
Sept.	18, Tuesday,	Examinations for Admission.
Sept.	18, Tuesday,	Registration and Matriculation of Students.
Sept.	19, Wednesday,	Registration and Matriculation of Students.
Sept.	20, Thursday,	Instruction begins, 9 a.m.
Sept.	20, Thursday,	Opening Address, 8 p. m.
Oct.	18, Thursday,	Examinations for College standing.
Nov.	28, Wednesday,	THANKSGIVING RECESS begins, 5 p. m.
Dec.	3, Monday,	RECESS ends, 8 a. m.
Dec.	19, Wednesday,	CHRISTMAS RECESS begins, 5 p. m.
	1929	
Jan.	3, Thursday,	RECESS ends, 8 a. m.
Jan.	24, Thursday,	First Semester Examinations begin.
Feb.	5, Tuesday,	SECOND SEMESTER begins, 8 a. m.
Feb.	14, Thursday,	Founders' Day.*
Mar.	22, Friday,	EASTER RECESS begins, 5 p. m.
Apr.	2, Tuesday,	RECESS ends, 8 a. m.
June	7, Friday,	Commencement Exercises begin.
June	10, Monday,	Commencement Exercises end.
Sept.	17, Tuesday,	ACADEMIC YEAR begins.

* Date subject to change.

HISTORICAL STATEMENT

The beginning of educational work on the grounds occupied by Ursinus College was in Todd's School, opened in 1832 "for the use of the neighborhood and its vicinity," the tract on which the school was located having been donated by Andrew Todd.

In the year 1848, a school for the higher education of young men was established on the tract adjoining that of Todd's School, now central in the campus. The school was named "Freeland Seminary." Within a period of twenty years, more than three thousand young men from Pennsylvania, New Jersey, Maryland and Delaware received their education at this school.

In 1868, a body of men, actuated by a desire to serve the interests of higher education and evangelical Christian religion, met in the city of Philadelphia and resolved to found "an institution where the youth of the land can be liberally educated under the benign influence of Christianity." Ruled by this desire, they chose as the name of their institution that of one of the most distinguished reformers and scholars of the Reformation period, Ursinus, of the University of Heidelberg.

The Act of Incorporation under which Ursinus College is conducted was granted by the Legislature of Pennsylvania, February 5, 1869, and is as follows:

AN ACT

TO INCORPORATE URSINUS COLLEGE

SECTION 1. Be it enacted by the Senate and House of Representatives of the Commonwealth of Pennsylvanía in General Assembly met, and it is hereby enacted by the authority of the same, that there shall be and hereby is erected, established and incorporated in Upper Providence Township, in the County of Montgomery, in this Commonwealth, an institution of learning, for the purpose of imparting instruction in Science, Literature, the Liberal Arts and Learned Professions by the name, style and title of URSINUS COLLEGE.

SECTION 2. Said College shall be under the care and management of a Board of Directors not exceeding twenty-one in number, who, with their successors in office, shall be and are hereby declared to be one body politic and corporate in deed and in law, to be known by the name, style and title of Ursinus College, and by the same shall have perpetual succession, and shall be able to sue and be sued, plead and be impleaded in all courts of law and equity, and shall be capable in law and equity to take, hold and purchase for the use and benefit of said College any estate in any messuages, lands, tenements, goods, chattels, moneys and other effects of any kind whatever, by gift, grant, bargain, sale, conveyance, assurance, will, devise or bequest from any person or persons, body politic or corporate, either municipal or otherwise whatsoever capable of lawfully making the same, and the same from time to time to grant, bargain, sell, convey, mortgage, farm, let, place out at interest, or otherwise dispose of for the use and benefit of said College; Provided, however, That no bequest or donation made to and accepted by said Board for specific educational objects shall ever be diverted from the purposes designated in the conditions of such gift and acceptance.

SECTION 3. That the Board of Directors shall have power to establish, from time to time, in said College, such departments of study and instruction as they may deem expedient, and to provide libraries, apparatus, cabinets, endowments and all other needful aids for imparting full and thorough courses of instruction therein. They may appoint a faculty or faculties, professors, lecturers and teachers, prescribe their respective duties, fix their compensation, and remove them, or any of them, as, from time to time, the interests of the College may require; they shall have power to purchase or erect buildings for the accommodation of students, professors and officers, and for other needful purposes; to establish rules and regulations for the government of students and officers, and to do all and singular such other things and matters as may be requisite for the well ordering and proper management of the affairs of said College.

SECTION 4. That the said Board of Directors shall at first consist of the persons herein named, to wit: James Koons, Sr., J. Knipe, W. D. Gross, H. W. Kratz, A. Kline, H. K. Harnish, Abraham Hunsicker, Sr., J. W. Sunderland, John Wiest, A. W. Myers, H. H. W. Hibshman, A. Van Haagen, J. H. A. Bomberger, J. G. Wiehle J. Dahlman, Jr., Emanuel Longacre, George Schall, W. L. Graver, William Sorber, Nathan Pennypacker, N. Gehr, who, or any nine of them, on the passage of this act, or at any time within three months thereafter, may meet and organize by electing a President and Secretary, and accepting this act, the evidence of which shall be the duly authenticated record of such meeting and action.

SECTION 5. That the Board of Directors shall have power to fill all vacancies in their own body, to expel any member thereof who shall be guilty of infamous conduct and to declare vacant the seat of any member who shall have, for three consecutive years, failed to attend the stated meetings of the Board; to appoint, from time to time, such additional officers and agents of their own body as may be deemed requisite, including a Treasurer, who shall always give ample security for the funds entrusted to his keeping; to adopt a common and corporate seal, by and with which all deeds, certificates, appointments and acts of said Board, signed by their President and attested by their Secretary, shall pass and be authenticated, and the same seal at their pleasure to break, alter or renew.

SECTION 6. That the said Board of Directors, at any meeting subsequent to their organization called for the purpose, and of which due notice shall have been given to each member, may adopt and establish a Constitution and By-Laws for the government of their own body, not inconsistent with this act, the laws of the State or the laws of the United States, which Constitution and By-Laws shall not thereafter be altered, amended or repealed except in the manner therein provided.

SECTION 7. That the faculty of any organized department in the College may, with the advice and consent of the Board of Directors, and under such regulations as they may prescribe, confer the degrees, honors, and dignities usually conferred by similar departments in the Colleges and Universities of this Commonwealth.

SECTION 8. That no misnomer of this corporation shall defeat or annul any gift, grant, devise or bequest to or from the said corporation: *Provided*, The intent of the parties shall sufficiently appear upon the part of the gift, grant, will, or other writing whereby such state or interest was intended to pass to or from said corporation.

The corporation was organized at a meeting of the Directors held in the city of Philadelphia, February 10, 1869. A permanent seat for the College was sought near Philadelphia. Attracted by the beauty of the region of Perkiomen Bridge, where Freeland Seminary had flourished for twenty years, and impressed by the reputation of the community for its interest in education, the Board of Directors purchased the property of Freeland Seminary, and incorporated the latter into Ursinus College as its preparatory department. About this time the United States postal authorities named the post office at Perkiomen Bridge, Collegeville. Instruction was begun September 6, 1870. In 1881 the doors of the College were opened to women. The Academy was discontinued in 1910.

The Ursinus School of Theology was organized June 1, 1871, and opened for instruction the following September. The School was conducted at Collegeville in connection with the College till 1898, when it was removed to Philadelphia. March 8, 1907, a Compact of Union was ratified by the Board of Directors of Ursinus College, by which the instruction of the Ursinus School of Theology is conducted in the Central Theological Seminary, located at Dayton, Ohio.

Collegeville is on the Benjamin Franklin Highway and is twelve miles distant from the Lincoln Highway. It is easy of access by the Philadelphia and Reading Railway from Philadelphia, Allentown or Reading. Electric cars connecting Collegeville with Pottstown, Norristown and Philadelphia pass the College campus. The College grounds cover sixty-six acres, including an improved campus of twelve acres, tennis courts, athletic fields, and several fields for agriculture.

NEEDS

The College constantly employs fully the equipment and resources at its disposal. The steady growth of the institution should encourage its friends to provide for its further needs. The following present exceptional opportunities for gifts and memorials: endowment of scholarships, \$2,000 to \$5,000 each; endowment of professorships, \$50,000 and upwards; general endowment funds, \$500 and upwards; a woman's building, \$200,000 or more; a science building, approximately \$350,000; an infirmary, \$25,000. The counsel of the President of the College should be sought with a view to securing the most advantageous co-operation on the part of benefactors.

GIFTS AND BEQUESTS

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

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

In cases in which the donor needs the income of his estate in order to live, a very satisfactory arrangement is provided in Ursinus College Annuity Bonds which the College issues in exchange for cash or property. Annuity Bonds guarantee a fixed income to the donor payable semi-annually during the period of his natural life, at the end of which the bonds become null and void and the gifts which they represent continue as permanent possessions of the College.

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

I give, devise and bequeath to URSINUS COLLEGE, located at Collegeville, Montgomery County, Pennsylvania, their successors and assigns forever, the sum of...... dollars, to be safely invested by said corporation, and the interest accruing therefrom to be applied in the maintenance of instruction in said institution.

OFFICERS OF THE CORPORATION

President Harry E. Paisley Philadelphia

First Vice-President A. D. FETTEROLF Collegeville, Pa.

Second Vice-President THOMAS E. BROOKS Red Lion, Pa.

Secretary

CALVIN D. YOST Collegeville, Pa.

Treasurer

EDWARD S. FRETZ Collegeville, Pa.

THE DIRECTORS

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	Elected	Expires
JAMES M. ANDERS, M.D., LL.D., Sc.D., Philadelphia,	1894	1929
REV. TITUS A. ALSPACH, D.D., Lancaster,	1925	1930
HON. ANDREW R. BRODBECK, LL.D., Hanover,	1905	1930
HON. THOMAS E. BROOKS, Red Lion,	1921	1931
CHARLES C. BURDAN, Pottstown,	1921	1931
A. D. FETTEROLF, Collegeville,	1906	1931
REV. I. CALVIN FISHER, D.D., Lebanon,	1905	1931
EDWARD S. FRETZ, Collegeville,	1925	1930
FRANCIS J. GILDNER, ESQ., A.B., Allentown,	1924	1929
DONALD L. HELFFRICH, ESQ., A.B., Philadelphia,	1927	1932
ABRAHAM H. HENDRICKS, ESQ., B.S., Collegeville,	1914	1929
J. F. HENDRICKS, ESQ., A.M., Doylestown,	1915	1930
REV. GEORGE W. HENSON, D.D., Philadelphia,	1911	1931
EDWIN M. HERSHEY, ESQ., A.B., Harrisburg,	1926	1931
ALVIN HUNSICKER, B.S., New York,	1916	1931
REV. JAMES M. S. ISENBERG, D.D., Collegeville,	1906	1928
WHORTEN A. KLINE, LITT.D., Collegeville,	1912	1932
MAYNE R. LONGSTRETH, ESQ., A.M., Philadelphia,	1907	1932
Rev. J. W. MEMINGER, D.D., Lancaster,	1896	1931
RALPH E. MILLER, A.B., Collegeville,	1924	1928
GEORGE L. OMWAKE, PED.D., LL.D., Collegeville,	1906	1931
HARRY E. PAISLEY, Philadelphia,	1907	1932
ELWOOD S. SNYDER, M.D., Lancaster,	1905	1930
HENRY T. SPANGLER, D.D., Collegeville,	1884	
JOSEPH M. STEELE, Philadelphia,	1913	1929
REV. CALVIN D. YOST, A.M., D.D., Collegeville,	1916	1930

Ursinus College

COMMITTEES OF THE BOARD OF DIRECTORS

Executive Committee

A.	D.	FETTEROLF			C.	D.	Yost
H.	E.	PAISLEY			G.	L.	Omwake
H.	т.	SPANGLER			Α.	Η.	HENDRICKS
			ES	FPETZ			

Committee on Finance

E. S. FRETZ H. E. PAISLEY G. L. OMWAKE J. M. S. ISENBERG M. R. LONGSTRETH

Committee on Buildings and Grounds

A. H. HENDRICKS A. D. FETTEROLF R. E. MILLER W. A. KLINE G. L. OMWAKE

Committee on Government and Instruction

H. T. SPANGLER C. D. YOST A. D. FETTEROLF W. A. KLINE G. L. OMWAKE J. M. S. ISENBERG

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THE ADVISORY COUNCIL

CYRUS H. K. CURTIS, LL.D., Philadelphia Alba B. Johnson, LL.D., Philadelphia EDGAR FAHS SMITH, LL.D., Philadelphia

Ursinus College

OFFICERS OF ADMINISTRATION

GEORGE L. OMWAKE, A.M., PED.D., LL.D., President REV. JAMES M. S. ISENBERG, D.D., Vice-President REV. WHORTEN A. KLINE, A.M., B.D., LITT.D., Dean ELIZABETH B. WHITE, PH.D., Dean of Women REV. CALVIN D. YOST, A.M., D.D., Librarian JOHN B. PRICE, A.M., M.D., College Physician SARA E. ERMOLD, Assistant Treasurer MRS. EMMA G. E. WEBB, Dietitian N. BLANCHE DEATRICK, Superintendent of Dormitories MRS. MAY H. RAUCH, B.S., College Hostess and Preceptress, Olevian Hall EDITH ANNA FARNHAM, PH.D., Preceptress, Trinity Cottage HELEN G. ERRETT, A.B., Preceptress, Glenwood ETHEL LYNN DORSEY, Resident Nurse and Preceptress, The Maples CLARENCE E. MCCORMICK, B.S., Farm Manager REV. FRANKLIN IRVIN SHEEDER, JR., A.B., B.D., Assistant to the President IAMES R. RUE, Bookkeeper MARGARET O. KUNTZ, A.B., Assistant Librarian HELEN E. GRONINGER, B.S., Secretary to the President RUTH SLOTTERER, Secretary to the Dean

THE FACULTY

GEORGE LESLIE OMWAKE, PED.D., LL.D.,

President, and Professor of the History of the Christian Church.

A.B., Ursinus College, 1898, and A.M., 1901; B.D., Yale University, 1901; Ped.D., Franklin and Marshall College, 1910; LL.D., 1923; LL.D., Lafayette College, 1923; Student in Theology, Philosophy and Education, Yale University, 1898-1901; Ursinus College, 1901; Dean, 1903-09; Vice-President, 1909-12; President, 1912. Member, American Academy of Political and Social Science; Historical Society of Pennsylvania.

REV. WHORTEN A. KLINE, A.M., B.D., LITT.D.,

Dean, and Professor of the Latin Language and Literature.

A.B., Ursinus College, 1893; A.M., and B.D., 1896; Litt.D., 1913; Graduate Student in Latin, University of Pennsylvania, 1897-1901; Ursinus College, 1893; Dean, 1909; Member of the Classical Association of the Middle States and Maryland; Philadelphia Botanical Club.

HOMER SMITH, PH.D.,

Professor of the English Language and Literature.

A.B., Amherst College, 1891; Graduate Student, University of Pennsylvania, 1892-95; Ph.D. University of Pennsylvania, 1895; Instructor in English, University of Pennsylvania, 1892-98; Professor of English, Kamehameha School, Honolulu, 1899-1901; Acting Professor of English, Amherst College, 1901-03; Ursinus College, 1903. Member of the Modern Language Association.

MATTHEW BEARDWOOD, A.M., M.D., Sc.D.,

Professor of Chemistry.

A.B., Philadelphia Central High School, 1890, and A.M., 1895; M.D., Medico-Chirurgical College, 1894; Sc.D., Ursinus College, 1916; Special Student of Chemistry, University of Pennsylvania, 1890-91; Instructor in Chemistry, Medico-Chirurgical College, 1896-99; Lecturer on Clinical Chemistry, 1899-1900; Adjunct Professor of Chemistry, 1900-14; Professor of General Chemistry and Toxicology, 1914-16; Ursinus College, 1903; Member, The American Chemical Society; The Franklin Institute.

JOHN WENTWORTH CLAWSON, A.M., Sc.D.,

Professor of Mathematics.

A.B., University of New Brunswick, 1901; A.B., Cambridge University, 1904; A.M., University of New Brunswick, 1905; Sc.D., Ursinus College, 1920; Lecturer in Astronomy, University of New Brunswick, 1904-05; Assistant in Physics, Ohio State University, 1905-06; Ursinus College, 1907. Member, American Mathematical Society.

CARL VERNON TOWER, PH.D.,

Professor of Philosophy.

A.B., Brown University, 1893, and A.M., 1895; Fellow, Sage School of Philosophy, Cornell University, 1896-97; Ph.D., Cornell University, 1898; Instructor in Philosophy, University of Michigan, 1898-1900; Assistant to the President, Clark University, 1900-01; Professor of Philosophy, Knox College, 1901-02; University of Vermont, 1902-09; Assistant Professor of Philosophy, University of Michigan, 1909-10; Acting Professor of Philosophy, Trinity College, 1912-13; Ursinus College, 1913. Member, American Philosophical Association; British Philosophical Society.

REV. WILLIAM WELLS JORDAN, A.M., D.D.,

Professor of the English Bible and Assistant in Church History.

A B., Marietta College, 1879; A.M., 1891, and D.D., 1899; B.D., Yale University, 1882; Pastor, Congregational Church, Clinton, Mass., 1893-1921; Ursinus College, 1921.

HARRY BRETZ, A.M.,

Professor of the French Language and Literature.

A.B., William Jewell College, 1906; A.B., University of Chicago, 1908, and A.M., 1917; Graduate Student, 1909-11, Fellow, 1911-12 and 1915-16, University of Chicago; Certificat d'études françaises, l'Alliance Française, Paris, 1913; Student, Sorbonne, 1912-14; Diplôme, Sorbonne, 1914; Assistant Professor of Romance Languages, Butler College, 1917-21; Instructor in Romance Languages, Princeton University, 1921-22; Instructor in Romance Languages, Cornell University, 1922-23; Ursinus College, 1923. Member, Modern Language Association of America.

REV. CALVIN DANIEL YOST, A.M., D.D.,

Librarian, and Professor of the German Language and Literature.

A.B., Ursinus College, 1891; A.M., 1895, and B.D., 1907; D.D., Heidelberg College, 1925; Student, Ursinus School of Theology, 1891-93; Yale University, 1893-94; Principal, High School, Mahanoy City, Pa., 1896-1901; Pastor, 1894-96, 1901-07; General Secretary, Reformed Evangelical and Educational Union, 1907-10; Ursinus College, 1910. Member, Modern Language Association of America.

ELIZABETH BRETT WHITE, PH.D.,

Dean of Women, and Professor of History.

A.B., Cornell University, 1904; Student, University of Lausanne, 1913; A.M., University of Wisconsin, 1917; Student, Clark University, 1919-20; Ph.D., Clark University, 1920; Walnut Spring, N. C., Presbyterian Board of Home Missions, 1904-06; Pennsylvania College for Women, 1912-19, 1920-24; Pennsylvania State College, School of Education, Extension Department, 1921-24; Ursinus College, 1924. Member, American Historical Association.

REV. JAMES M. S. ISENBERG, B.D., D.D., Vice-President.

A.B., Ursinus College, 1893; B.D., Ursinus School of Theology, 1896; D.D., Ursinus College, 1910; Pastor, 1896-1926; President, Eastern Synod, Reformed Church in the U. S., 1916; Director, War Emergency Campaign, 1918-19; Chairman, Alumni Memorial Library Committee, 1919-24; Efficiency Commission, Reformed Ch. in the U. S., 1923-26; Ursinus College, 1926. Member, Religious Education Association.

JAMES LANE BOSWELL, A.M.,

Professor of Economics and Business Administration.

A.B., Georgetown College, 1920; A.M., University of Pennsylvania, 1923; Student, University of Toulouse, 1919; Graduate Student, University of Pennsylvania, 1921-28; Columbia University, Summer, 1924; Instructor, Secondary Schools, 1920-23; Ursinus College, 1923. Member, American Academy of Political and Social Science; American Economic Association.

RUSSELL DAVIS STURGIS, Ph.D.,

Professor of Analytical Chemistry.

A.B., University of Delaware, 1919; M.S., University of Pennsylvania, 1921; and Ph.D., 1924; Assistant in Chemistry, Massachusetts Agricultural College, 1919-1920; Instructor in Chemistry, University of Pennsylvania, 1920-24; Professor of Chemistry, Franklin and Marshall College, 1924-25; Ursinus College, 1925. Member, American Chemical Society.

JAMES LYNN BARNARD, PH.D.,

Professor of Political Science and Director of Social Studies for Teachers.

B.S., Syracuse University, 1892; Ph.D., University of Pennsylvania, 1897; Professor of History and Political Science, Ursinus College, 1897-1904; Graduate Student, Columbia University, 1904-05; Social Work, New York and Philadelphia, 1905-06; Professor of History and Government, Philadelphia School of Pedagogy, 1906-20; Director of Social Studies, Department of Public Instruction, Pennsylvania, 1920-27; Ursinus College, 1927. Member, American Political Science Association; American Academy of Political and Social Science; American Association for Labor Legislation.

GEORGE RUSSELL TYSON, A.M.,

Professor of Education.

B.S., University of Pennsylvania, 1916, A.M., 1922; Graduate Student, 1916-17, Harrison Fellow in Education, University of Pennsylvania, 1919-21; Specialist in Testing and Grading in United States Army, 1920; Professor of Education and Director of the Summer School, Cornell College, 1921-27; Ursinus College, 1927. Member, National Society of College Teachers of Education; American Association for the Advancement of Science.

FOSTER ELLIS KLINGAMAN, PH.D.,

Professor of Physics.

A.B., Gettysburg College, 1921; M.S., 1922; Ph.D., The Johns Hopkins University, 1925; Instructor in Physics, Gettysburg College, 1920-22; Instructor in Physics, The Johns Hopkins University, 1922-27; Ursinus College, 1927. Member, American Physical Society.

WILLIAM LINDSAY, A.M.,

Professor of the Greek Language and Literature.

A.B., McGill University, 1912; A.M., 1914; Graduate Student, McGill University, 1922-23; University of Chicago, Summers, 1923-27; Harvard University, 1925-27; Instructor in Classics, Dalhousie University, 1914-15; Assistant Master, The High School, Montreal, 1916-23; Instructor in Classics, University of Manitoba, 1923-24, University of Nebraska, 1924-25, Harvard University, 1925-27; Ursinus College, 1927.

MARTIN WEAVER WITMER, A.B.,

Associate Professor of English Rhetoric.

A.B., Franklin and Marshall College, 1904; Graduate Student in English, University of Pennsylvania, 1913-14, 1919-24; Instructor in English, Latin and Greek, Union Seminary, New Berlin, Pa., 1904-05; Principal of Union Seminary, 1905-07; Instructor in English, Franklin and Marshall Academy. Lancaster, Pa., 1907-20; Ursinus College, 1920. Member, Modern Language Association of America.

JOHN G. HERNDON, JR., A.M.,*

Associate Professor of Economics.

A.B., Washington and Lee University, 1911; A.M., 1912; Instructor in Economics, Washington and Lee University, 1911-12; Graduate Student, University of Wisconsin, 1912-15; Special Agent, United States Bureau of Labor Statistics, 1914-17; Assistant to Chief of Personal Tax Division, United States Treasury Department, 1917-18; Tax Consultant, New York and London, 1918-19; Instructor in Income Taxes, Philadelphia, 1919-24;
Private Tax Consultant, Philadelphia, 1921-27; Ursinus College, 1927.

NORMAN EGBERT MCCLURE, PH.D.;

Associate Professor of The English Language and Literature.

A.B., Ursinus College, 1915; A.M., Pennsylvania State College, 1916; Ph.D., University of Pennsylvania, 1925; Instructor in English, Pennsylvania State College, 1915-1917; Professor of English, Pennsylvania Military College, 1917-1928; Registrar, Pennsylvania Military College, 1918-1928; Ursinus College, 1928. Member, Modern Language Association; Secretary-Treasurer, College Conference on English in the Central Atlantic States.

WILLIAM WALLACE BANCROFT, A.M.,

Assistant Professor of English and Philosophy.

A.B., Ursinus College, 1919; Graduate, Princeton Theological Seminary, 1920; Scholar in Philosophy, University of Pennsylvania, 1920-21; A.M., 1921; Doctorate in English, 1921-23; Private Tutor, 1924; Ursinus College, 1925. Member, American Academy of Political and Social Science. Member, Modern Language Association; Modern Humanities Research Association of England.

*Absent on leave, 1928-29.

†Beginning September, 1928.

REV. FRANKLIN IRVIN SHEEDER, JR., B.D.,

Assistant to the President, and Assistant Professor of the English Bible. A.B., Ursinus College, 1922; B.D., Central Theological Seminary, 1925; Student, University of Pennsylvania, Summer, 1922; Student, Central Theological Seminary, Dayton, Ohio, 1922-25; Graduate Student, University of Pennsylvania, 1926-28; Ursinus College, 1925. Member, Religious Education Association.

JOHN HAROLD BROWNBACK, A.B.,

Assistant Professor of Biology.

A.B., Ursinus College, 1921; Graduate Student and Instructor in Zoölogy, University of Pennsylvania, 1921-26; Ursinus College, 1926. Member, American Association for the Advancement of Science; American Entomological Society.

EDITH ANNA FARNHAM, PH.D.,

Assistant Professor of History.

A.B., Wellesley College, 1914; A.M., Cornell University, 1925; Ph.D., 1928; Instructor in History and Civics, High School, Fall River, Mass., 1918-23; Wellesley College Alumni Association Fellow in London University, 1926-27; Ursinus College, 1927.

DONALD GRANT TEDROW, B.S.,

Instructor in Modern Languages.

B.S., Washington and Jefferson College, 1921; Graduate Student, University of Chicago, summer, 1921, University of Pittsburgh; summer, 1922; Instructor in French and Spanish, Western Military Academy, Alton, Ill., 1921-22; Graduate Student and Instructor in French and Spanish, Pennsylvania State College, 1922-27; Ursinus College, 1927. Member, Modern Language Association of America; American Association of Spanish Teachers.

RALPH WILSON VEATCH, A.M.,

Instructor in Mathematics and Coach of Track Athletics.

A.B., University of Tulsa, 1925; A.M., Northwestern University, 1927; Fellow in Mathematics, Northwestern University, 1926-27; Ursinus College, 1927. Member, American Mathematical Association; American Association for the Advancement of Science.

JEANETTE DOUGLAS HARTENSTINE,

Instructor in Voice Culture and Choral Singing.

Student under W. A. Weiser, five years; Metropolitan College of Music, New York, one year; E. Presson Miller, New York, six years; German Operatic Rôles under Siegfried Behrens; English, Italian and French Opera under Emil Knell and Jose Van den Berg; Student in Voice under Zerffi; Private Teacher and Director of choirs and oratorios; Leading rôles in English Grand Opera; Ursinus College, 1923.

GLADYS MARIAN BOOREM, A.B.,*

Instructor in Biology.

A.B., Ursinus College, 1915; Student, Cornell University, Summers, 1917, '19, '20, '21; Instructor in Languages, High School, Lehighton, Pa., 1915-21; Instructor in English, High School, Williamsport, Pa., 1921-22; Student in Training School for Nurses, Hospital, University of Pennsylvana, 1922-25; Ursinus College, 1925. Registered Nurse.

HELEN GLADYS ERRETT, A.B.,

Director of Physical Training and Instructor in Sanitation and Hygiene for Young Women.

A.B., Pennsylvania College for Women, 1924; Student, University of Cincinnati, 1924-25; Instructor, Playstreet Cincinnati Community Service, Summer 1925; Student, Columbia University, Summer, 1926; Ursinus College, 1926.

JOHN F. W. STOCK, B.S.,

Instructor in Piano, Harmony and Counterpoint.

B. S., Ursinus College, 1922; Student, Columbia College of Music, 1916-19; Private Student of Professor Dr. Karl Schmidt, Butzbach, Germany, 1922-26; Student under Thuel Burnham, New York, 1926-27; Ursinus College, 1926.

MRS. JOSEPHINE XANDER SHEEDER, A.B.,

Instructor in Latin.

A.B., Ursinus College, 1921; Graduate Student, University of Pennsylvania, Summer, 1922; Teacher, High School, Lake City, Fla., 1921-22; High School, Wyoming, Del., 1922-23; Public Schools, Vallejo, Calif., 1923-24; Week-Day Schools of Religion, Dayton, Ohio, 1924-25; Ursinus College, 1925.

RONALD CHESTER KICHLINE, A.B.,

Graduate Coach and Director of Physical Training for Men.

A.B., Ursinus College, 1916; Instructor and Coach, Mansfield State Normal School, 1916-17, 1918-21; Football Coach, American University Experiment Station, U. S. Army, 1918; Athletic Director, Juniata College, 1921-22; Instructor and Coach, Vermont Academy, 1922-25; Student, Springfield International Y. M. C. A. College, Summer School, 1925; Ursinus College, 1925.

OFFICERS OF THE FACULTY

Chairman......THE PRESIDENT Secretary.....Associate Professor Witmer

ACADEMIC COUNCIL

THE PRESIDENT PROFESSOR CLAWSON THE DEAN

PROFESSOR YOST

PROFESSOR BOSWELL

ADVISERS

Classics Group, Professor Lindsay Mathematics Group, Professor Clawson Chemistry-Biology Group, Professor Sturgis History-Social Science Group, Professor Barnard English Group, Professor Smith Modern Languages Group, Professor Yost Business Administration Group, Professor Boswell

COMMITTEES

		Admission a	nd Standin	<i>g</i>	
Тне	PRESIDENT	PROFESSOR	CLAWSON	PROFESSOR	KLINE
PR	OFESSOR YOST		Associate	PROFESSOR W	ITMER

THE PRESIDENT

Library THE LIBRARIAN

PROFESSOR SMITH

THE PRESIDENT

Scholarships PROFESSOR KLINE

PROFESSOR YOST

THE PRESIDENT

Discipline THE DEAN

THE DEAN OF WOMEN

ATHLETIC COUNCIL

Representing the Directors RALPH E. MILLER DONALD L. HELFFRICH

Representing the Faculty FRANKLIN I. SHEEDER, JR. JOHN W. CLAWSON

Representing the Alumni WALTER R. DOUTHETT JOHN B. PRICE

Representing the Students ALBERT A. LACKMAN RAY SCHELL

> Graduate Manager W. W. BANCROFT 21

ADMISSION

The first step in seeking admission to Ursinus College is the filing of a formal application together with a preliminary statement of qualifications by the applicant. Application blanks may be had by addressing the College. The College then secures from the school in which the applicant has been prepared a certificate embodying the school record of the candidate. All certificates of preparation should be sent by the school principal directly to the Dean of the College, by whom they are evaluated. Inquiry is made further into the character and fitness of the candidate, to do the work of this institution, and if found qualified the applicant is notified and a place reserved for him in the College. The process of matriculation is continued in the actual trial of all applicants during the first semester, at the end of which time their status as candidates is finally determined.

Students from high schools, academies and normal schools approved by the faculty, or from other colleges, and candidates who have passed the examinations of the College Entrance Examination Board are admitted on certificate. Consideration is given to the length of time spent in preparation, the grades attained and the rank in class. In the case of well prepared candidates admission may be granted with conditions as to specific subjects.

Applicants who desire admission by examination in any subject, will present themselves for such examination at the Dean's Office in Bomberger Hall, on Friday and Saturday of Commencement week, June 8 and 9, or on Tuesday, September 18, 1928, at the opening of the collegiate year.

Every candidate admitted to College will be examined in English composition on a day appointed soon after the opening of the term. A candidate whose preparation is found to be defective in spelling, punctuation or other essentials of good usage will be obliged to take special work in the subject at his own expense.

Admission

TERMS OF ADMISSION

The unit used in determining the value of a study presented in satisfaction of the requirements for admission represents, in general, a year's study in the subject in a secondary school, constituting approximately a quarter of a full year's work. The time element involved in the evaluation of college preparatory work should be given due consideration by teachers and pupils in secondary schools.

CANDIDATES FOR THE DEGREE OF BACHELOR OF ARTS

Applicants for admission intending to present themselves as candidates for the degree of Bachelor of Arts at graduation must present 15 units from the following list. The studies printed in capitals are prescribed:

ENGLISH	3	units
LATIN	3	units
OTHER FOREIGN LANGUAGE	2	units
HISTORY	1	unit
Algebra	1.5	units
PLANE GEOMETRY	1	unit
Additional Latin	1	unit
History, Ancient	1	unit
History, European	1	unit
History, English	1	unit
History, American	1	unit
History, World	1	unit
Problems of Democracy	1	unit
Economics	.5	unit
Government	.5	unit
Advanced Algebra	.5	unit
Solid Geometry	.5	unit
Plane Trigonometry	.5	unit
Physical Geography	.5	unit
Zoölogy	.5	unit
Botany	.5	unit
Physiology	.5	unit
Physics	1	unit
Chemistry	1	unit
Mechanical Drawing	.5	unit

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CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE

Applicants for admission intending to present themselves as candidates for the degree of Bachelor of Science at graduation must present 15 units from the following list. The studies printed in capitals are prescribed:

English	3	units
FOREIGN LANGUAGE	3	units
HISTORY	1	unit
Algebra	1.5	units
Plane Geometry	1	unit
Physics or Chemistry	1	unit
Additional Science of Mathematics	1	unit
History, Ancient	1	unit
History, European	1	unit
History, English	1	unit
History, American	1	unit
History, World	1	unit
Problems of Democracy	1	unit
Economics	.5	unit
Government	.5	unit
Advanced Algebra	.5	unit
Solid Geometry	.5	unit
Plane Trigonometry	.5	unit
Physical Geography	.5	unit
Zoölogy	.5	unit
Botany	.5	unit
Physiology	.5	unit
Mechanical Drawing	1	unit

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

When admitted, special students are enrolled as members of the groups they choose to enter and are under the direction of the regular advisers. Special students must register for at least twelve hours of work in each semester, and are held account-

Admission

able for the satisfactory completion of courses for which they register. They are subject to the same regulations as other students.

ADMISSION STUDIES

The studies which may be presented in satisfaction of the requirements for admission are set forth below. A candidate must present, either by examination or by certificate, satisfactory evidence of preparation in such of these studies as he may offer in accordance with the requirements in each as defined:

ENGLISH

The Uniform Entrance Requirements in English include preparation based upon two lists of books,—one of books for reading and one of books for special study. In connection with the reading and study of prescribed books, the candidate should read other books and commit to memory a considerable amount of good English poetry. The reading should be done with a view to the development of literary appreciation, accuracy of expression and elegance of style.

(A) READING.—The candidate will be required to write a paragraph or two on each of several topics chosen by him from the list drawn from the books named below. This part of the examination is designed, primarily, to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the books prescribed. He should read the books as he reads other books not aiming to know them minutely, but to gain a knowledge of their most important parts. In every case knowledge of the book will be regarded as less important than the ability to write good English.

Every applicant will be examined in English Composition. No candidate will be accepted whose work is seriously defective in spelling, punctuation, grammar, or division into paragraphs.

From each group two selections are to be made, except that for any book in Group V a book from any other may be substituted.

LIST FOR 1929-1931

GROUP I.—Cooper: The Last of the Mohicans; Dickens: A Tale of Two Cities; George Eliot: The Mill on the Floss; Scott: Ivanhoe or Quentin Durward; Stevenson; Treasure Island or Kidnapped; Hawthorne: The House of the Seven Gables. GROUP II.—Shakespeare: Merchant of Venice, Julius Caesar, King Henry V, As You Like It, The Tempest.

GROUP III.—Scott: The Lady of the Lake; Coleridge: The Ancient Mariner; and Arnold: Sohrab and Rustum. A collection of representative verse, narrative and lyric. Tennyson: Idylls of the King (any four). The Æneid or the Odyssey or the Iliad in a translation of recognized excellence, with the omission, if desired, of Books I-V, XV, and XVI of the Odyssey and Books XI, XIII-XV and XXI of the Iliad; Longfellow: Tales of a Wayside Inn.

GROUP IV.—The Old Testament (the chief narrative episodes in Genesis, Exodus, Joshua, Judges, Samuel, Kings, and Daniel, together with the books of Ruth and Esther); Irving: The Sketch Book (about 175 pages); Addison and Steele: The Sir Roger de Coverley Papers; Macaulay: Lord Clive, or History of England, Ch. III; Franklin: Autobiography; Emerson: Representative Men.

GROUP V.—A modern novel; a modern biography or autobiography; a collection of short stories (about 250 pages); a collection of contemporary verse (about 150 pages); a collection of scientific writings (about 150 pages); a collection of prose writings on matters of current interest (about 150 pages); a selection of modern plays (about 150 pages). All selections from this group should be works of recognized excellence.

(B) STUDY.—In addition an examination will be required upon the subject matter, literary form and logical structure of each of the works named below. A careful and critical study of the works will be necessary to prepare the candidate for the examination. The student may be required to answer questions on the leading facts of the literary periods to which the works belong and on the essentials of grammatical structure. The books provided for study are arranged in three groups. One selection is to be made from each of Groups I and II, and two from Group III.

LIST FOR 1929-1931

GROUP I.-Shakespeare: Macbeth, Hamlet.

GROUP II.—Milton: L'Allegro, Il Penseroso, and either Comus or Lycidas; Browning: Cavalier Tunes, The Lost Leader, How They Brought the Good News from Ghent to Aix, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, Herwé Riel, Pheidippedes, My Last Duchess, Up at a Villa—Down in the City, The Italian in England, The Patriot, The Pied Piper, "De Gustibus—," Instans Tyrannus, One Word More.

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GROUP III.—Burke: Speech on Conciliation with America; Macaulay: Life of Johnson; Lowell: On a Certain Condescension in Foreigners, and Democracy; Lincoln: Speech at Cooper Union, Farewell to the Citizens of Springfield, Addresses at Indianapolis, Albany and Trenton, the Speeches in Independence Hall, the Two Inaugurals, the Gettysburg Speech and his Last Public Address, together with a brief memoir or estimate of Lincoln; Carlyle: Essay on Burns with a brief selection from Burns's Poems. Three units.

LATIN

The Latin reading required for admission of candidates for the degree of Bachelor of Arts, without regard to the prescription of particular authors and works, is not less *in amount* than Cæsar: Gallic War, 1-IV; Cicero: the orations against Catiline, for the Manilian Law, and for Archias. Whenever possible Vergil's Æneid, 1-VI, should be included in the student's preparation.

The amount of reading specified above should be selected by the schools from the following authors and works: Cæsar: Gallic War and Civil War; selections from Aulus Gellius, Eutropius, Nepos, Phaedrus, Quintus Curtius Rufus, and Valerius Maximus; Cicero: orations, letters, and De Senectute; Pliny; Sallust: Catiline and Jugurthine War; Vergil: Bucolics, Georgics, and Æneid; and Ovid: Metamorphoses, Heroides, Fasti, and Tristia. *Three or four units*.

GREEK

The candidate must show a mastery of the common forms, idioms and syntax of the language, and must know the rules of accent and their changes. He will be required to translate simple English sentences into Attic Prose, and translate, at sight, passages of ordinary difficulty taken from Xenophon. The following books will meet the requirement: White: First Greek Book, or an equivalent; Xenophon: Anabasis, books I-IV. Two units.

FRENCH

Elementary French. The candidate should be able to pronounce French accurately and possess a thorough knowledge of the rudiments of grammar. He should be able to read at sight easy dialogue and modern French prose, and is required to put into French simple English sentences; to give abstracts of the portions of the texts already read; and to write French from dictation. He should have read from one hundred to one hundred and seventy-five pages of graduated

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French texts and from two hundred and fifty to four hundred pages of easy modern prose in the form of stories, plays, or historical or biographical sketches. To meet this requirement two years' work will generally be necessary. $Two \ units$.

Intermediate French. This should comprise the reading of four hundred to six hundred pages of French of ordinary difficulty, including at least two works of a dramatic character, the constant practice in giving French paraphrases, abstracts or reproductions from memory of selected portions of the matter read, the study of a grammar of moderate difficulty, and writing from dictation. At least one additional year of study will be necessary to meet this requirement. One unit.

SPANISH

Elementary Spanish. The work should comprise constant drill in pronunciation, the rudiments of grammar, including the conjugation of the regular and more commonly used irregular verbs, the inflection of nouns, adjectives, and pronouns, and the general rules of syntax. There should be daily practice in translating at dictation Spanish into English and English into Spanish. Some 300 pages from representative modern authors should be carefully read. Two units.

Intermediate Spanish. This should comprise the reading of three hundred pages of modern Spanish of ordinary difficulty, a portion to be in the dramatic form; constant practice in giving Spanish paraphrases, abstracts, or reproductions from memory of selected portions of the matter read; the study of a grammar of moderate completeness; writing from dictation. One unit.

GERMAN

Elementary German. The candidate must possess an accurate knowledge of the rudiments of grammar. He should give special attention to the acquisition of a good pronunciation and to the memorizing and frequent repetition of easy colloquial sentences, and cultivate readiness in the reproduction of natural forms of expression. He is expected to have read from seventy-five to one hundred pages of graduated texts from a reader, and from one hundred and fifty to two hundred pages of literature in the form of easy stories and plays. He must be able to read, at sight, easy dialogue or narrative prose; to put into German short English sentences taken from the language of everyday life and based upon the text offered for translation; and to reproduce in an offhand way, both orally and in writing, the substance of short and easy selected passages. Two units.

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Intermediate German. An additional unit representing a third year's work, and comprising the reading of at least three hundred pages of moderately difficult prose and poetry, may be offered. Continued attention should be given to the grammar, including the less usual strong verbs and the syntax. Suitable reading for the third year may be found in such texts as Wildenbruch: Das edle Blut; Eichendorf: Aus dem Leben eines Taugenichts; Riehl: Das Spielmannskind, Der stumme Ratsherr; Freytag: Die Journalisten; Moser: Der Bibliothekar; Schiller: Das Lied von der Glocke, Balladen; Goethe: Hermann und Dorothea. One unit.

HISTORY

Ancient History. The Orient should be surveyed with special reference to contributions to later civilization; Greece should be studied in outline to the time of the Persian wars and with thoroughness from that time to the death of Alexander. After Alexander emphasis should be laid on the philosophy, literature, art and religious cults to which Rome became heir. The second half of the year should be devoted to Rome, proceeding rapidly to about 300 B. C. and from that point to the death of Marcus Aurelius, the work should be relatively detailed and thorough. The study should be brought down to 800 A.D. One unit.

European History. If the course embraces Mediaeval and Modern European history emphasis should be given to the contributions of the Roman Empire, the Germans, and the Christian Church to mediaeval civilization. The structure of feudal society, the Crusades, the formation of the European states, the phases of the Renaissance and the Reformation and the discoveries outside of Europe should be stressed. If Modern European history only is included in the preparation, emphasis should be given to the absolute monarchy of Louis XIV, colonial expansion and rivalries, the constitutional monarchy in England, the despotism of Frederick the Great, the republican government of France, the Napoleonic epoch, and the main facts in the political development of Europe since 1815. One unit.

English History. Only brief reference to the period before 1066 need be made. Up to the time of the Tudors the treatment should be topical rather than exhaustive. The Norman Conquest, relations with France, Scotland and Ireland, Magna Charta, the rise of parliamentary government, developments in the Christian Church, the struggle between Crown and Parliament, the wars with France

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including commercial and colonial expansion in America and the East, the revolt of the American colonies, the revolution in agriculture, industry and transportation are among the topics with which the candidate should be made familiar. Attention should be given to important epochs, movements and personalities rather than to the reigns of monarchs. *One unit.*

American History. The period prior to 1763 may be treated briefly and about equal attention should be given to the periods up to and after 1865. Careful attention should be given to map studies. The subjects of territorial expansion and social and industrial growth should receive ample consideration. In the later period the foreign policy of the United States, the tariff, banking, civil service, currency, trusts, conservation of natural resources, capital and labor and immigration constitute the more important topics. Familiarity with the lives and public services of great Americans should be especially encouraged. One unit.

World History. A world survey, that shall show in broad perspective how Man has learned to live the group life, to associate with his fellows; one that shall deal with essentials only but without loss of sequence, and so grouped as to show the outstanding epochs through which the race has struggled on its way up from savagery to civilization.

Such a one-year course will necessarily be extensive in character, though time can easily be found for committee reports and class discussions on especially interesting and important topics. Care must be taken that "extensive" shall not become a synonym for "superficial." One unit.

SOCIAL SCIENCE

Problems of Democracy. Young people face social problems, not social sciences; but they must go to these sciences for explanations and possible solutions. Accordingly, this course should train the pupils to read, to think, to weigh evidence; in short, to learn the elementary technique of investigation. As an important by-product, a solid foundation will have been laid for the social sciences economics, political science and sociology. To accomplish this result, free use must be made of the fundamental concepts and theories; and care must be taken not to confuse problems with remedies. One unit.

Government. A course in the fundamentals of American government-local, state and national. Comparison should be made between the English Cabinet or Parliamentary system and our own non-

Admission

Parliamentary or Presidential system. Considerable attention must be given to the newer experiments in government and to the organization and work of political parties. *One-half unit.*

Economics. An introductory study of the production, distribution and consumption of wealth, and of Man in his relation to wealth.

Constant application of the underlying theories should be made to problems of the day, in order that the pupils may learn to *use* Economics and not simply learn *about* the subject. *One-half unit*.

MATHEMATICS

Arithmetic, with the metric system of weights and measures, as much as is contained in Wentworth's Advanced Arithmetic. Elementary Algebra, including Variation and the Binomial Theorem, as in Wells's Essentials of Algebra, or its equivalent. Plane Geometry, complete as in Phillips and Fisher's Plane Geometry, or its equivalent. Two and one-half units.

Solid Geometry, as contained in Phillips and Fisher's Geometry of Space, or its equivalent. One-half unit.

Algebra continued, to include The Progressions, Choice and Chance, Partial and Continued Fractions, Graphical Representation, Complex Numbers and Logarithms, as contained in Hawkes's Advanced Algebra, or its equivalent. One-half unit.

Plane Trigonometry, as in Ashton and Marsh's Plane and Spherical Trigonometry, Chapters I-IV and VI, or its equivalent. One-half unit.

SCIENCE

Physics. Instruction should include the use of a text-book suitable for secondary schools, lectures with emphasis on demonstrations to illustrate qualitative aspects and practical applications, recitations including the solution of problems in which the pupil should be encouraged to use the simple principles of algebra and geometry, and individual laboratory work requiring at least the time of twenty-five double periods. The experiments performed by each pupil should number at least twenty-five. The aim of laboratory work should be to cultivate accurate observation and clearness of thought and expression. Attention should be paid to common illustrations and to industrial and household application of physical laws. *One unit.*

Chemistry. The preparation should emphasize the general principles which are involved in the laboratory and text-book study and should give the student a comprehensive and connected view of the

Ursinus College

most fundamental facts and laws of elementary chemistry and their applications. The individual laboratory work should comprise at least thirty experiments. The properties of elements and compounds studied should be those which serve for recognition, or illustration of a chemical principle, or relate to some important household or industrial use. It should be an aim of the teacher to emphasize the importance of chemistry in the industrial and economic growth of our modern civilization. One unit.

Physical Geography. The most essential facts comprehended under such topics as the Earth as a Globe, the Ocean, the Atmosphere and the Land. The preparation should include the study of a good secondary school text-book and individual laboratory work comprising at least twenty exercises. From one-third to one-half of the classroom work should be devoted to laboratory exercises, which in fall and spring may be supplanted by field trips. *One-half unit*.

Botany. The candidate's preparation should include the structure, physiology, life-history and classification of plants together with the relation of the latter to human welfare in such matters as food, clothing, medicine, fuel, furniture, building and decoration. At least one-half the time should be devoted to practical studies in the laboratory. One-half unit.

Zoölogy. The study of the structure, physiology, life-history and classification of animals and their relation to human welfare covering such subjects as the economic value of insects, their relation to disease, methods of extermination, the economic value of birds, necessity of bird protection, etc. At least one-half of the classroom work should be devoted to laboratory exercises. One-half unit.

Physiology. Human physiology involving the essentials of deglutition, digestion, absorption, circulation, respiration, secretion, excretion, locomotion and nervous functions. The subject as presented in any good secondary school textbook will be acceptable. *One-half unit.*

MECHANICAL DRAWING

Thoroughness in fundamentals should be the main feature of the preparation. The right use of drawing instruments, the primary principles of projection, and accuracy in work should be made matters of drill. Ability to use some standard form of single stroke free hand lettering and the proper method of inserting explanatory notes should be developed. The time required to accomplish the work should be approximately 100 hours. One-half unit.

GOVERNMENT

A student whose application for admission to college has been approved by the Faculty, becomes a member of the institution by matriculating at the Dean's office. Until students have fully completed their matriculation (see page 22) they are not permitted to represent the college in any public performance except the regularly constituted Freshman athletics.

REGISTRATION

All students must register at the opening of the college year for the work of the whole year, and will not be allowed to change their registration or drop courses of study, later than one week after Registration Day except by special permission of the Faculty. A fee of One Dollar is charged for registration on days other than those appointed for the registration of students in the college calendar.

ABSENCES

Students are expected to pursue their work without interruption or absence from any academic exercises whatever. On account of exigencies such as sickness, the death of a relative, or duty away from college as a representative of the institution, a student is allowed as many absences in any course as twice the number of exercises per week in that course. A student who is absent beyond this limit will be dropped from the course unless permitted to continue by the Dean and the professor in charge in which case he must make up the work omitted and take an Extended Examination for which a fee of Five Dollars is charged. Absences are counted from the first class exercises in any subject, and at the beginning or end of a semester and immediately preceding and following a recess they count double. No excuses for absence are granted.

A student who absents himself from a test previously announced must take a special test for which he must pay a

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fee of One Dollar on securing the permit for the same at the Dean's Office.

ADVISERS

At the beginning of the year the Faculty appoints from its own number Advisers for the students in each of the seven Groups in which the courses of instruction are offered. The students of each Group are amenable to the Adviser of the Group in all matters of conduct, study and discipline. His approval is necessary before a student may register for or enter upon any course of study, or discontinue any work. He is the medium of communication between the Faculty and the students of his Group, and in a general way stands to his students in the relation of friendly counsellor.

PUBLIC WORSHIP

Students are required to attend religious services in the college chapel each day of recitations, except Saturday, and are expected to attend services on Sunday morning in some adjacent church of their own or their parents' choice. Attendance is also required at all special public exercises appointed by the Faculty.

A student may not be absent from chapel services and other public exercises appointed by the Faculty more than eight times in a semester without having been excused. For each absence in excess of this number he will be given five demerits.

COLLEGE PRINCIPLES

The College is committed both in principle and by tradition to a policy which opposes unnatural distinctions among its students. Secret or exclusive organizations are not permitted. Equal opportunity for all is provided and a wholesome spirit of fraternity throughout the entire body is encouraged. A system of student government for young men, with powers inhering in the several groups and classes and in a central representative
Government

body known as the Council, maintains order and encourages self-control in social and civil affairs. The life of the young women also is regulated through a system of self-government administered by the women students of the College. Since the institution is organized on the group basis, class rivalry and its attendant evils are extraneous. Each student pledges himself on admission to abstain from every form of rushing or hazing. The aim of the institution is to train its students. through the performance of their social and civil obligations and duties, in those virtues which will fit them for the extraordinary responsibilities of educated men and women in after life. With this in view, the College reserves the right to exclude at any time students whose conduct or academic standing renders them undesirable members of the college community, and in such cases the fees due or which may have been paid in advance to the College will not be refunded in whole or in part.

DOMESTIC LIFE

The College aims to provide thoroughly healthful, wholesome and homelike conditions in the residences for both young men and young women. The boarding department is made an educational asset in the institution. All resident students take their meals in well-lighted and well-ventilated dining rooms constructed on thoroughly sanitary lines. The meals are prepared in a spacious, well-lighted, sanitary kitchen with complete modern equipment.

By controlling the conditions under which the students live, the College provides a physical basis for its higher functions that insures not only health of body and joy of life, but greatly promotes mental efficiency and success in intellectual pursuits.

COURSES OF INSTRUCTION

In designating courses of study, *odd* numerals are employed to represent the work of the first semester and *even* numerals the work of the second semester. When a single numeral is employed the work represented constitutes a semester course. When two numerals are employed the work represented constitutes a year course. When the numerals are connected with a hyphen the course may be entered only at the opening of the year. When the numerals are separated with a comma, the course may not be discontinued, but may be entered at mid-year for the work of the second semester.

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

ASSISTANT PROFESSOR BROWNBACK, MISS BOOREM, MISS ERRETT

1-2. SANITATION AND HYGIENE. Study of the structure and physiology of systems in relation to personal hygiene. Lectures, papers and discussions. One hour per week. Two semester hours.

Course 1-2 is elective for First year students in all the groups.

3-4. GENERAL BOTANY. Introduction to plant physiology and to the evolution of the plant body. Two hours lectures and two hours laboratory work. Six semester hours.

5-6. GENERAL ZOÖLOGY. Introducing to the leading problems of zoölogy in its various fields, and its application to society. Two hours lectures and four hours laboratory work. *Eight semester hours*.

7-8. VERTEBRATE ANATOMY. The comparative anatomy and relationships of the chordates. Prerequisite, Course 5-6. One hour lecture and six hours laboratory work. *Eight semester hours*.

9-10. HISTOLOGY AND EMBRYOLOGY. A course in the preparation and study of tissues and in the embryology of the chick. Prerequisite, Course 5-6. One hour lecture and six hours laboratory work. *Eight* semester hours.

Courses 7-8 and 9-10 are given in alternate years. Course 9-10 will be given in 1928-29.

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

Course 11-12 is given in alternate years. Not offered in 1928-29.

14. NEUROLOGY. The gross and microscopic structure of the human nervous system. Prerequisites, Courses 7-8 and 9-10. Six hours laboratory work, directed readings and thesis. Two semester hours.

15. GENERAL PHYSIOLOGY. The study of the physical, chemical and physico-chemical processes taking place in living matter. Prerequisite, courses 5-6, 7-8 or 9-10 and Chemistry 1-2 and 7-8. One hour lecture and six hours laboratory work. *Four semester hours*.

Note.—A working knowledge of the leading biological contributions to present-day thought is presented in Courses 5-6 and 11-12. Students of the Chemistry-Biology Group taking their major work in biology must complete not less than thirty hours of work in the department. In most cases, this requirement will be met by taking courses 1-2, 3-4, 5-6, 7-8 or 9-10, and 11-12. Such students will also be expected to take Chemistry 1-2 and 7-8, and Physics 1-2. Prospective medical students taking the full college course should take Courses 1-2, 5-6, 7-8, and 9-10.

CHEMISTRY

PROFESSOR BEARDWOOD, PROFESSOR STURGIS

1-2. GENERAL CHEMISTRY. The facts, theories and laws of general chemistry presented in lectures with oral and written recitations kept strictly parallel with the laboratory work. Each student performs over two hundred experiments in general chemistry after which he learns the methods of qualitative analysis and is required to separate and identify elements in all the groups. He preserves a record of all laboratory work in a note book properly paged and indexed. Two hours lectures and four hours laboratory work. Holmes: General Chemistry. *Eight semester hours*.

3-4. QUALITATIVE ANALYSIS. The physico-chemical basis of analytical chemistry; analysis of metals and non metals; practice in analysis of minerals, alloys and commercial products. Prerequisite, Course 1-2. Treadwell. Qualitative Chemical Analysis. Two hours lectures and four hours laboratory work. *Eight semester hours*.

5-6. QUANTITATIVE ANALYSIS. A study of the most acceptable methods of gravimetric and volumetric analysis. Prerequisite, Course

3-4. Two hours lectures and six hours laboratory work. Eight semester hours.

7-8. ORGANIC CHEMISTRY AND CHEMICAL PHYSIOLOGY. (1) The study of the properties, synthesis and structure of the most important classes of the carbon compounds experimentally by the student under the supervision of the instructor. Norris: Organic Chemistry; Von Richter: Organic Chemistry; Fisher: Laboratory Manual of Organic Chemistry. (2) The study of the chemic composition of the body and the chemic changes it undergoes; the chemistry of foods, the action of the digestive enzymes upon them; the chemistry of the different body fluids. Prerequisite, Course 3-4. Halliburton: Chemical Physiology. Two hours lectures and six hours laboratory work. *Eight semester hours*.

9-10. PHYSICAL CHEMISTRY. The course will include a study of atomic structure, radio-activity, the states of matter, the properties of solutions, and other topics. Prerequisites, Physics 1-2; Chem. 1-2; Chem. 3-4 or 7-8. Two hours per week. Four semester hours.

CHURCH HISTORY

PROFESSOR JORDAN

1, 2. HISTORY OF THE EARLY CHURCH. The spread of the gospel; Roman persecutions; government and discipline of the Church; Christian life and worship; literature and doctrine. Two hours per week. Four semester hours.

3, 4. HISTORY OF THE REFORMATION. The rise and progress of Protestantism; the Reformation in Germany, Switzerland, France and Scotland; development of Christian doctrine. Two hours per week. Four semester hours.

Courses 1, 2 and 3, 4 are given in alternate years. Course 1, 2 will be given in 1928-29.

ECONOMICS

PROFESSOR BOSWELL, ASSOCIATE PROFESSOR HERNDON

1, 2. INDUSTRIAL GEOGRAPHY. The first half of the year is devoted to a study of the main factors of the physical environment which influence the capacity, activity, occupation, and business relations of peoples. In the second half of the year the principles derived in the first semester are applied to a more complex study of the continents. Two hours per week. Four semester hours. Course 1, 2 is prescribed in the Business Administration Group and is elective in the other groups.

3-4. PRINCIPLES OF ECONOMICS. An analysis of our economic organization including the study of such topics as the organization of production, value and exchange, mediums of exchange and our banking system, business cycles, international trade and the tariff, the distribution of wealth, monopolies and competition, labor problems, and such current problems as the coal and railway situation. Three hours per week. Six semester hours.

5. BUSINESS FINANCE. A study of the financial aspects of business management including such topics as the problems to be considered in launching an enterprise, methods of organizing, methods of financing, form of ownership, handling of sinking and depreciation funds, interpreting financial statements, extending credit, and distributing earnings. Prerequisite, Course 3-4. Three hours per week. Three semester hours.

6. LABOR PROBLEMS AND PERSONNEL ADMINISTRATION. A study of human relations arising from industrial organization and the employers' part in bringing about industrial peace. Prerequisite, Course 3-4. Three hours per week. *Three semester hours*.

Courses 5 and 6 alternate with Courses 7 and 8. Courses 5 and 6 will be given in 1928-29.

7. MARKETING. A survey of the marketing mechanism and a comparative study of the most usual methods and practices. Special attention is given to such problems as the elimination of the middleman, market analysis, sales quotas, the incidence of advertising, and co-operative marketing. Prerequisite, Course 3-4. Three hours per week. Three semester hours.

8. FOREIGN TRADE. The relation of foreign trade to national prosperity; the foreign trade policies of the more important countries; export marketing machinery; the methods of export merchandising followed by several of our large corporations; documentation; credit extension. Prerequisite, Courses 3-4 and 7. Three hours per week. Three semester hours.

9. MONEY AND BANKING. A brief study of monetary and banking theories followed by a careful analysis of the services and methods of operation of various financial institutions such as commercial banks, clearing house associations, the Federal Reserve banks, Farm Loan banks, note brokers, commercial paper houses, finance companies, and investment houses. Two hours per week. Two semester hours.

10. PRINCIPLES OF INVESTMENT. A study of the fundamental principles of the subject, a description of investment machinery, and a classification and analysis of the various kinds of investments. Prerequisites, Economics 3-4 and 5. Two hours per week. Tavosemester hours.

12. RAILWAY TRANSPORTATION. 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. Two hours per week. Two semester hours.

Courses 10 and 12 are given in alternate years. Course 10 will be given in 1928-29.

13. CORPORATION FINANCE. A study of the forms and methods of corporate business; the promotion of the corporation; corporation securities; consolidations and reorganizations; corporation reports. Two hours per week. Two semester hours.

14. PUBLIC FINANCE AND TAXATION. 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. Two hours per week. Two semester hours.

Courses 13 and 14 are not offered in 1928-29.

MATHEMATICS OF FINANCE. See Mathematics, Courses 13-14 and 15-16.

EDUCATION

PROFESSOR TYSON

1. INTRODUCTION TO TEACHING. A survey of the field of education. The approach to the study of education through the underlying sciences. Analytical and constructive attempt to define education. Differentiation of the several fields of study. A preliminary course recommended for all students of education. Three hours per week. Three semester hours.

2. HISTORY OF EDUCATION: The development of educational ideas, institutions and practices to the present time, providing a liberal outlook on civilization. Foundation elements—Greek, Roman and Christian. Great educational movements; the educational reformers; the origin and growth of national systems; the scientific movement of the nineteenth century—its effect on subject-matter and method; present tendencies. Three hours per week. Three semester hours. 4. EDUCATIONAL PSYCHOLOGY. The data of psychology in their bearing upon teaching and learning; instinctive equipment of the learner; variation in human capacities; inheritance of human traits; rate and progress of learning; transference of training and allied subjects. Three hours per week. Three semester hours.

5. PRINCIPLES OF SECONDARY EDUCATION. The secondary school in America and in foreign countries; individual, social and economical (vocational) aims; nature and interests of adolescents; subjects of the curriculum; program making. Three hours per week. *Three* semester hours.

6. METHODS AND MANAGEMENT. General methods of instruction and recitation; organization; administration; duties and responsibilities of school officers; guidance and discipline of pupils; school records. Class exercises are supplemented with school visitation. Three hours per week. *Three semester hours*.

In 1928-29, Course 6 will be given in the first semester and Course 5 in the second semester.

8. OBSERVATION AND PRACTICE TEACHING. Observation one hour per week and practice teaching five hours per week under supervision in the local high school. One class hour per week for consideration of lesson plans and criticism. Individual and group conferences. Prerequisite, Course 6. Three semester hours.

Course 8 is for Fourth year students only. The work is open in the first semester for those whose schedules require it. A fee of five dollars is charged each student engaged in Practice Teaching to cover costs of administration.

9. EDUCATIONAL AND PSYCHOLOGICAL TESTS AND MEASUREMENTS. 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, Psychology 4. Three hours per week. Three semester hours.

COURSES IN THE TEACHING OF SPECIAL SUBJECTS. For courses in the teaching of French, German, History, Latin, Music and Social Studies, see under these departments.

REQUIREMENTS FOR STATE CERTIFICATES TO TEACH. In Pennsylvania: Education 1, 4 and 8, six semester hours of electives, and at least two years' work in College in each subject to be covered by the certificate. In New Jersey: For Permanent Secondary Certificate— Education 4, 5 and 6 and Biology 1-2. In New York: Education 2, 4, 5, 6 and 8 and Psychology 1.

The teaching fields in secondary schools are usually grouped as follows: English, Mathematics, Foreign Languages, Natural Sciences, Social Studies, Music, Art, and Physical Training. Students aiming to teach should confer with the Professor of Education or with their Adviser in choosing the field for which they will prepare.

ENGLISH

PROFESSOR SMITH, ASSOCIATE PROFESSOR WITMER, ASSOCIATE PROFESSOR MCCLURE, ASSISTANT PROFESSOR BANCROFT, DR. FARNHAM

COMPOSITION

1. RHETORIC AND COMPOSITION. Recitations based on a prescribed textbook, supplemented with lectures, to help students gain a knowledge of the principles and types of writing; the study of modern prose selections as models; and frequent written exercises and compositions for practice. Three hours per week. *Three semester hours*.

Course 1 is prescribed for First year students in all the groups.

2. RHETORIC AND COMPOSITION. Instruction and drill to meet the requirements of the class. Supplementary to Course 1, and designed for students needing further training in the art of writing. Three hours per week. *Three semester hours*.

3, 4. ADVANCED RHETORIC AND COMPOSITION. Recitations based on an advanced textbook of Rhetoric, supplemented with lectures, to help students acquire individuality and flexibility of style; a textbook of rhetorical analysis, requiring a critical study of various prose types as models; frequent short and occasional long compositions for practice; supplementary readings and individual conferences. Two hours per week. Six semester hours.

Course 3, 4 is elective for Second and Third year students in all groups.

5. ARGUMENTATION. Recitations based on a textbook, supplemented with lectures on the theory of argumentation; an analysis of specimen models; frequent practice in both written and oral argument; supplementary readings and individual conferences. Three hours per week. Three semester hours.

Course 5 is elective for Second and Third year students in all groups.

8. THE ORATION. Studies in the theory and style of the oration. Famous American orations are read critically. Each student must write at least two original orations. Denny, American Public Addresses. Three hours per week. *Three semester hours*.

Course 8 is elective for men in Third and Fourth years in all groups.

Courses of Instruction

LITERATURE

2. SEVENTEENTH AND EIGHTEENTH CENTURY LITERATURE. Designed to assist the student in the interpretation of poetry and prose from the historical as well as the organic viewpoint. Influences of Classicism, the Romantic and other movements are discussed. Readings critically analyzed. Three hours per week. Three semester hours.

Course 2 is prescribed for all students. The course is given also in the first semester for those whose schedules require it.

3. FROM CHAUCER TO BUNYAN. Considered from the organic as well as the historical point of view. Literary forms studied in their development. Readings critically analyzed. This course and the following are designed to assist the student in appreciation and in the formation of proper literary standards. Three hours per week. *Three semester hours*.

4. HISTORY OF MODERN LITERATURE. From Wordsworth to the present. The main emphasis is placed on prose essayists, but dramatists and novelists are treated in brief lectures. The Romantic, the Pre-Raphaelite Movement and others that distinguish the period are discussed. Reading critically analyzed. Two hours per week. Two semester hours.

Courses 3 and 4 are prescribed in the Second year of the English Group and are elective in other groups.

5. THE ENGLISH DRAMA. An investigation of the origin and early development of the English Drama culminating in Marlowe and Shakespeare. Three hours per week. *Three semester hours*.

6. MODERN ESSAYISTS. The essay form discussed with special attention to its modern development. The authors chiefly studied are Lamb, Macaulay, and Stevenson. Three hours per week. *Three* semester hours.

Courses 5 and 6 alternate with Courses 7 and 8. Courses 7 and 8 will be given in 1928-29.

7. MODERN POETRY. Lectures and critical readings to illustrate the main tendencies of modern poetry. The poets chiefly studied are Tennyson, Browning, and Matthew Arnold. Three hours per week. *Three semester hours*.

Course 7 is elective for Third and Fourth year students.

8. EIGHTEENTH CENTURY ESSAYISTS. The aim of this course is to trace the early development of the essay form, and to interpret the history of the period by its literature. Three hours per week. Three semester hours.

Course 8 is elective for Third and Fourth year students.

9-10. ELEMENTS OF LITERARY CRITICISM. The essential elements of literature, its chief forms, and the different methods and principles of criticism discussed. There will be constant illustration and application of these principles throughout the course. Winchester: Principles of Literary Criticism. Two hours per week. Four semester hours.

Course 9-10 is elective for Fourth year students.

11-12. ANGLO-SAXON. Smith: Old English Grammar; Bright: Anglo-Saxon Reader. Two hours per week. Four semester hours.

Course 11-12 is prescribed in the English Group, and is elective in all other groups.

ENGLISH BIBLE

PROFESSOR JORDAN, ASSISTANT PROFESSOR SHEEDER

1, 2. OLD TESTAMENT HISTORY AND THE PROPHETS. (1) A study of the period from the creation to the division of the Kingdom under Rehoboam, with emphasis on the divine purpose running through the history of Israel; facts and problems considered in the light of modern exploration and discovery. (2) An attempt to acquaint the student with the personality and method of each of the prophets; their times and circumstances; their doctrines; value of their messages for the present age. Two hours per week. Four semester hours.

Course 1, 2 is prescribed for First year students in all the groups.

3, 4. THE LIFE OF CHRIST AND THE APOSTOLIC PERIOD. (1) Historical and topical studies presenting a sympathetic interpretation of the personality and ministry of Christ, giving special emphasis to the inspirational and permanent value of his gospel. (2) The personality and ministry of the Apostles; an analysis of the epistles, book by book, with a view to acquainting the student with the purpose and message of each. Two hours per week. Four semester hours.

Course 3, 4 is prescribed for Third year students in all the groups.

EXPRESSION

MISS ERRETT

1, 2. PUBLIC SPEAKING AND PAGEANTRY. Analysis and interpretation of classical and modern drama. The theory and practice of pageantry. Under careful supervision, students in this Course are given training and experience in the management of the May Pageant. Two hours per week. *Four semester hours*.

This course is elective for young women of the Third and Fourth years in all the groups.

Courses of Instruction

FRENCH

PROFESSOR BRETZ, MR. TEDROW

1-2. ELEMENTARY FRENCH. This course is intended for those who begin French in college. It comprises elementary grammar, composition, and the reading of simple texts in the first semester. The work of the second semester is of a similar nature, although the reading and composition are more advanced. Three hours per week. Six semester hours.

3, 4. INTERMEDIATE FRENCH. Prose composition and careful drill in French syntax, special attention being given to idioms and synonyms. Carnahan's Alternate French Review Grammar and Clément & Macirone's Voici la France! are the usual texts for the first semester. The work of the second semester is composed of more difficult reading and composition together with much practice in conversation. Prerequisite, Course 1-2, or two years of French at entrance. Three hours per week. Six semester hours.

5, 6. MODERN FRENCH LITERATURE, especially Nineteenth Century prose, poetry, drama, with a study of the literary movements in France after the decline of Romanticism. Hastings' French Prose and Poetry (1850-1900) is the principal text for this course. Two hours per week. *Four semester hours*.

7, 8. ADVANCED PROSE COMPOSITION. The object of this course is to give increased facility in the writing and speaking of the French language by intensive study of chosen models and by translation and paraphrase of English into French. Continued practice in conversation. Two hours per week. *Four semester hours*.

9, 10. FRENCH POETRY AND VERSIFICATION. A study of the principal forms of French poetry and readings from the chief French poets from Villon to the present time. The Oxford Book of French Verse is the text for this course. Two hours per week. *Four semester hours*. This course will not be given in 1928-29.

11, 12. FRENCH LITERATURE OF THE SEVENTEENTH CENTURY, or the Classical Period of French Literature. A study of the theater and the various forms of literature of this period; reading of some of the plays of Corneille, Racine, and Molière, also Boileau's Art Poétique and Satires. In the second semester, Warren's French Prose of the 17th Century is read. Two hours per week. Four semester hours.

13, 14. TEACHERS' COURSE. A survey of the general principles of phonetics and a study of the methods of teaching French, together with advanced work in French prose composition for those students who expect to teach French. One hour per week. Two semester hours.

GERMAN

PROFESSOR YOST, MR. TEDROW

1, 2. ELEMENTARY GERMAN. Pronunciation, grammar, practice in speaking and writing. Vos: Essentials of German; Zeydel: An Elementary German Reader; Bierwirth and Herrick: Ährenlese; Heyse: L'Arrabbiata. 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. Review of grammar with oral and written exercises. Conversation and written composition. Reading of classical and modern German literature. Thomas: Practical German Grammar; Eichendorff: Aus dem Leben eines Taugenichts; Wildenbruch: Das edle Blut; Schiller: Maria Stuart; reading at sight. Three hours per week. Six semester hours.

5, 6. INTERMEDIATE GERMAN. Review of grammar, conversation and written composition. Reading of classical and modern German literature. Thomas: Practical German Grammar; Heyse: Aufang und Ende; Storm: Auf der Universität; Goethe: Hermann und Dorothea; reading at sight. Three hours per week. Six semester hours.

Course 5, 6 alternates with Course 3, 4. Offered in 1928-29.

7, 8. ADVANCED GERMAN. History of the German language and literature; reading of works by Lessing, Schiller and Goethe, with a study of the classic period; written themes on assigned topics. Two hours per week. Four semester hours.

9, 10. ADVANCED GERMAN. Study of modern German literature with rapid reading of representative works of this period; history of German literature of the Nineteenth Century; German newspapers; written themes. Two hours per week. Four semester hours.

Course 9, 10 alternates with Course 7, 8. Offered in 1928-29.

11, 12. SCIENTIFIC GERMAN. This course is planned to furnish drill in the reading of modern scientific German. It is intended for students pursuing courses in the natural sciences and for pre-medical students. It will be open to students who have had two years, or more, of German. Two hours per week. Four semester hours.

Courses of Instruction

13, 14. TEACHERS' COURSE. A drill in phonetics; review of the grammar; exercises in oral and written composition; study of textbooks and lectures on methods of teaching modern foreign languages. The course will be open only to advanced students. One hour per week. *Two semester hours*.

GREEK

PROFESSOR LINDSAY

1-2. BEGINNING GREEK. The first semester is devoted to mastery of the elements of the language; in the second, enough of the *Anabasis* of Xenophon is read to give the student facility in reading simple Attic prose. Much attention is paid to the Greek element in English as an aid to the proper understanding of scientific terms. Three hours per week. Six semester hours.

Course 1-2 is elective for students in all groups.

3. INTRODUCTION TO GREEK PHILOSOPHY. Plato: Apology and Phaedo. Life and work of Socrates; his views on the immortality of the soul. Three hours per week. *Three semester hours*.

4. GREEK EPIC POETRY. Homer. Selected books of the Iliad and Odyssey, presenting a study of the literary epic; special lectures and papers on the Homeric literature and age with particular reference to their influence on later Greek civilization. Three hours per week. Three semester hours.

5. GREEK COMEDY. Aristophanes: Frogs; Clouds; Acharnians. Origin and growth of the Attic Drama; function of fifth century comedy, especially as a weapon of literary, social, and political criticism and satire. Three hours per week. *Three semester hours*.

6. GREEK HISTORY. Herodotus: selections describing the period * of the Persian Wars, or Thucydides: selections showing the development of the Peloponnesian War and the part played by Pericles. Three hours per week. *Three semester hours*.

7. GREEK DRAMA. Aeschylus: Prometheus Bound; Sophocles. Oedipus Tyrannus; Euripides: Medea. Rapid reading and analysis of other selected dramas; history of Greek tragic art and its relation to modern drama; the Greek theater, production of plays, actors, costumes, and scenic appliances. Three hours per week. Three semester hours.

Course 7 alternates with Course 5. Not offered in 1928-29.

8. GREEK ORATORY IN ITS PERFECTED DEVELOPMENT. Demosthenes: De Corona, or the Philippics. Selections from the other Attic orators, illustrating the artistic development of rhetorical Greek. The policy and ideals of Demosthenes and their bearing on the struggles of Greece against Philip and Alexander. Three hours per week. *Three semester hours*.

Course 8 alternates with Course 6. Not offered in 1928-29.

10. NEW TESTAMENT GREEK. Selections from the Gospels and Acts of the Apostles; study of the peculiarities of New Testament language and its relation to classic Greek. One of the Early Church Fathers, Justin Martyr or Athenagoras. Two hours per week. Two semester hours.

Course 10 will not be offered in 1928-29.

HISTORY

PROFESSOR WHITE, ASSISTANT PROFESSOR FARNHAM

1-2. MEDIEVAL AND MODERN EUROPEAN HISTORY. From the establishment of the empire of Charlemagne through the French Revolution and the Napoleonic era. Emphasis upon the life and thought of the people, and upon facts which have influenced or which help to explain present-day conditions. Three hours per week. Six semester hours.

5-6. EUROPE SINCE 1815. The reorganization of Europe after the fall of Napoleon; political, social, and economic developments throughout the nineteenth century and the period of the World War. Three hours per week. Six semester hours.

Students in all groups are required to take either Course 1-2 or Course 5-6 in their First or Second year. The courses are elective for others, with the consent of the instructor.

4. HISTORY OF ENGLAND. Political and constitutional phases. Especial emphasis on the background of American history. The growth of the British Empire and the influence of the English constitution on other governments. Three hours per week. Three semester hours.

7, 8. AMERICAN HISTORY. Colonization of North America; relations between the colonies and England which led to the Revolution; economic, social, and political phases of United States History studied in connection with the constitution, political parties, the tariff, slavery, westward expansion, the growth of modern business and international relations. Three hours per week. Six semester hours.

Course 7, 8 is prescribed in the History-Social Science and Business Administration groups, and is elective for Fourth year students in the other groups; also for Third year students with the consent of the instructor.

Courses of Instruction

9. AMERICAN FOREIGN POLICY. A study of the foreign relations of the United States, from the Revolutionary War to the present. The principles and practice of diplomacy, and of international law, in so far as they bear upon important cases of our international relations. Prerequisite, Course 5-6 or Course 7-8. Open to Third and Fourth year students. Three hours a week. *Three semester hours*.

10. LATIN AMERICA, THE PACIFIC, AND THE ORIENT. The history of political, social, and economic conditions in these districts, with especial reference to their relations with the United States. Prerequisite, Course 5-6 or Course 7, 8. Three hours per week. *Three semester hours*.

Course 10 is open to Third and Fourth year students.

Courses 9 and 10 are offered in alternate years. Course 10 will be given in 1928-29.

Eighteen semester hours of work from the foregoing courses are prescribed for members of the History-Social Science group majoring in History.

14. TEACHING OF HISTORY. A practical course in methods of arrangement and presentation of historical material. One hour per week. One semester hour.

Course 14 is elective for Third and Fourth year students in the History-Social Science and English groups.

LATIN

PROFESSOR KLINE, PROFESSOR LINDSAY, MRS. SHEEDER

A, B. VERGIL. Æneid, Books I-VI. Greenough and Kittredge. Three hours per week. Six semester hours.

Course A, B is prescribed for students who offer three units of Latin for admission and intend to continue the subject in college. It is a prerequisite for Course 1, 2.

1, 2. CICERO, LIVY, HORACE. Cicero: De Senectute, with a critical analysis of the essay. Livy: Book XXI, History of the Punic Wars. Horace: the Odes with sight reading. The Horatian meters will be carefully studied, together with the interpretation of the poems. Three hours per week. Six semester hours.

Course 1, 2 is prescribed for all candidates for the degree of Bachelor of Arts.

3, 4. HORACE, CICERO. Horace: Satires and selected Epistles, with a careful study of style and a discussion of Roman Satire. Cicero: De Oratore; its chief literary and rhetorical characteristics together with an examination of Roman Oratory. Horace: Ars Poetica; an analysis of the poem and a study of didactic poetry. Three hours per week. Six semester hours.

5, 6. LATIN COMEDY; CICERO AND PLINY. (1) Terence: Phormio and Heauton-Timorumenos. Plautus: Captivi or Trinummus and Menaechmi. Lectures on the ancient theater and kindred topics. (2) Cicero and Pliny the Younger: Selected Epistles. This part of the course is designed to train the student in the power of rapid reading, by covering a large amount of Latin of only moderate difficulty. Two hours per week. Four semester hours.

7, 8. TACITUS, LUCRETIUS. (1) Tacitus: Agricola, Germania and Selections from the Annals. A study of the aims and purposes of the works with a survey of Roman History. (2) Lucretius: De Rerum Natura. A study of Epicureanism, Lucretius as a philosopher and a poet, his influence on other writers. Two hours per week. Four semester hours.

Courses 5, 6 and 7, 8 are given in alternate years. Course 5, 6 will be given in 1928-29.

10. TEACHERS' COURSE. A consideration of the aims and purposes of classical studies. Preparatory authors will be discussed and interpreted with special regard to the essential points in teaching. Two hours per week. *Two semester hours*.

Course 10 is elective in the Classics group and for others in special cases. It is given in connection with Course 8.

MATHEMATICS AND ASTRONOMY

PROFESSOR CLAWSON, MR. VEATCH

1, 2. ELEMENTARY FUNCTIONS. Topics from algebra, trigonometry and analytics designed to give an idea of the place of mathematics in the world of thought and action. Two hours per week. Four semester hours.

Course 1, 2 is prescribed for all First year students who offer less than three and one-half units in mathematics for admission. Course 1a, 2a may be substituted.

1a, 2a. COLLEGE ALGEBRA, TRIGONOMETRY. A standard course embracing the fundamentals of college algebra and trigonometry, designed for students who are interested in continuing the study of college mathematics beyond the first year. Three hours per week. Six semester hours.

Course 1a, 2a is prescribed in the Mathematics Group and may replace Mathematics 1, 2 in other groups.

3-4. ELEMENTARY CALCULUS. A first course in infinitesimal calculus, comprising a study of the fundamental methods and applications of differential calculus and an introduction to integral calculus. Prerequisite, Mathematics 1a, 2a. Admission to this course can be secured without the prerequisite only upon satisfactorily passing an examination in trigonometry. Three hours per week. Six semester hours.

Course 3-4 is prescribed in the Mathematics Group.

5. PLANE ANALYTICAL GEOMETRY. The use of algebraic methods in the study of geometry. Prerequisite, Mathematics 1, 2 or its equivalent. Three hours per week. *Three semester hours*.

Course 5 is prescribed in the Mathematics Group.

6. SOLID GEOMETRY. The methods of pure geometry, of analytic geometry and of descriptive geometry applied in the study of polyhedrons and simple curved surfaces. Spherical trigonometry. Prerequisite, Mathematics 5. Three hours per week. Three semester hours.

Course 6 is prescribed in the Mathematics Group.

7-8. THE CALCULUS. Second course. Methods of integration with applications. Differential equations. Prerequisite, Mathematics 3-4. Three hours per week. Six semester hours.

9-10. INTRODUCTION TO MODERN GEOMETRY. The recent geometry of the triangle and quadrilateral; anharmonic ratio; ranges and pencils; projective geometry; non-Euclidean geometry. Two hours per week. *Four semester hours*.

Course 9-10 is primarily intended for prospective teachers of plane geometry in secondary schools. It should be elected only by students who have a real aptitude for geometry.

Course 9-10 alternates with Course 11-12. Not offered in 1928-29.

11-12. INTRODUCTION TO MODERN ALGEBRA. Topics in higher algebra; the solution of equations; complex numbers; theory of numbers. Two hours per week. Four semester hours.

Course 11-12 is primarily intended for prospective teachers of algebra in secondary schools. Prerequisite, Mathematics 7-8.

13-14. MATHEMATICS OF FINANCE. The operation of interest in relation to the amortization of debts, the creation of sinking funds, the treatment of depreciation, the valuation of bonds, the accumulation of funds in building and loan associations, and the elements of life insurance. Two hours per week. Four semester hours.

15-16. MATHEMATICAL STATISTICS. Gathering the material, displaying it by the different types of graphs, analysis of the material. averaging, dispersion, correlation. Prerequisite Mathematics 1, 2 or its equivalent. Two hours per week. *Four semester hours*.

Courses 13-14 and 15-16 are offered mainly for students of economics or science who are interested in the applications of mathematics. Courses 1, 2 and 13-14 or 15-16 satisfy the requirements in Mathematics for the B. S. degree.

17-18. ASTRONOMY. Facts and theories concerning the appearance, dimensions, constitutions, motions and interrelations of celestial bodies; practical applications. Prerequisite, Mathematics 1, 2 or its equivalent and some knowledge of Physics. One hour per week. Two semester hours.

MUSIC

MR. STOCK, MISS HARTENSTINE

1-2. SIGHT SINGING AND EAR TRAINING. Notation, rhythm, tone relations, scale relations, transitions, modes, modulations and intervals. A fundamental course. Two hours per week. Four semester hours.

3-4. HARMONY. Triads and their inversions. Chords of the seventh. Augmented sixth chords. Modulations. Transpositions. Suspensions. Three hours per week. Six semester hours.

5-6. ADVANCED HARMONY AND COUNTERPOINT. Harmonizing melodies. Analysis of chorals. Insertion of more than four parts. Enharmonic changes. Strict and free counterpoint. Double counterpoint. Canon. Imitation. Fugue. Three hours per week. Six semester hours.

7, 8. HISTORY OF MUSIC. Development of music in its various forms from the beginning of the Christian era to the present time, with special reference to the progress of musical taste and culture. Text, lectures and collateral reading. One hour per week. Two semester hours.

9. TEACHERS' COURSE. The development of "music hearing." A review of the fundamentals of harmony as understood in chord rela-

Courses of Instruction

tions, transposition and modulation. Definite technical method for children. Difficulties in teaching. Study of teaching material. Three hours per week. *Three semester hours*.

Students having satisfactorily completed Courses 1-2, 3-4, 5-6, 7, 8 and 9, with a specified amount of Applied Music will be entitled to receive the Teacher's Certificate in Music granted by the College.

Private instruction is provided in Applied Music (Piano and Voice). For terms, see page 75.

PHILOSOPHY

PROFESSOR TOWER, ASSISTANT PROFESSOR BANCROFT

1. ETHICS. A study of the principles of moral judgment, with exposition and criticisms of the more important theories concerning the basis of the distinction between right and wrong conduct; the various problems of theoretical and practical ethics. Papers by students. Three hours per week. Three semester hours.

2. LOGIC. A study of the guiding principles involved in correct thinking; the use of terms and 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, and the basic concepts involved in scientific method. Three hours per week. *Three semester hours.*

Course 2 alternates with Course 2a. Not offered in 1928-29.

2a. INTRODUCTION TO PHILOSOPHY. A preliminary course designed to give the student some orientation with reference to the field and problems of philosophy. Three hours per week. Three semester hours.

3. HISTORY OF ANCIENT AND MEDIAEVAL PHILOSOPHY. This course and the following are designed to assist the student in his interpretation of modern thought-currents by giving him some acquaintance with the productions of the great constructive minds of the past. Three hours per week. *Three semester hours*.

Students may not register for Course 3 unless they also take Course 4.

4. HISTORY OF MODERN PHILOSOPHY. Descartes; Spinoza; Leibniz; the English Empiricists; Kant, and Post-Kantian Idealism; Recent Philosophical Tendencies. Three hours per week. Three semester hours.

5, 6. PHILOSOPHY OF RELIGION. An outline course designed to acquaint the student with the fundamental problems of the religious

consciousness in their philosophical aspects. Three hours per week. Six semester hours.

7-8. PHILOSOPHICAL SEMINAR. Recent and contemporary philosophical constructions and their critics. Idealism, Pragmatism, Neo-Realism. Selected portions of the works of Bradley, Royce, James, Schiller, Bosanquet, and the Realists will be read. Two hours per week. Four semester hours.

Courses 1, or 1a, 3 and 4 are required of candidates for Honors in philosophy.

PHYSICAL TRAINING

MR. KICHLINE, MISS ERRETT

1, 2. PHYSICAL TRAINING FOR MEN. Systematic gymnastic training including marching tactics, calisthenics, and apparatus work, with a view to health in the individual student and instruction in technique. Two hours per week throughout the First and Second years. Not a credit course.

1, 2. PHYSICAL TRAINING FOR WOMEN. Gymnastics, marching tactics, apparatus work, folk-dancing. Exercises to suit the needs of students with special reference to health and posture. Two hours per week throughout the First and Second years. Not a credit course. Course 1, 2 is prescribed for all students.

3, 4. ADVANCED COURSE FOR MEN. Indoor and outdoor athletics and gymnastics with a view to the preservation of health and the preparation of men for teaching and coaching after graduation. Hours to be arranged. Not a credit course.

3, 4. ADVANCED COURSE FOR WOMEN. Training for skill and technique in gymnastics and athletics. Instruction in nature-dancing for the development of rhythm and balance of tension and relaxation giving ease, smoothness and grace of movement. Hours to be arranged. Not a credit course.

Course 3, 4 is open to Third and Fourth year students.

Each student is given a physical examination at the beginning of the year and the work is prescribed with a view to particular needs. Football, basket ball, baseball, track and tennis for men and hockey, basket ball, baseball, track and tennis for women are the forms of athletics provided. In one or another of these forms every student in College who is physically fit is encouraged to participate.

PHYSICS

PROFESSOR KLINGAMAN

1a-2a. ELEMENTARY PHYSICS. Mechanics, heat, sound, magnetism, electricity and light. A course for students other than those in the Chemistry-Biology or Mathematics Groups. It affords the opportunity of acquiring a limited but correct knowledge of the entire domain of Physics. Three recitations and one three-hour laboratory period per week. *Eight semester hours*.

1-2. GENERAL PHYSICS. Mechanics, heat, sound, magnetism, electricity and light. The course includes the mathematical deductions of the general equations and the solution of numerous problems. No previous knowledge of the subject is assumed. Prerequisite, Mathematics 1-2. Two recitations and two three-hour laboratory periods per week. *Eight semester hours*.

3. MECHANICS. A mathematical treatment of theoretical mechanics. In the laboratory extensive and practical measurements are made. Prerequisite, Physics 1-2 and Mathematics 3-4. Three recitations and one laboratory period per week. *Four semester hours*.

Course 3 alternates with Course 5. Offered in 1928-29.

4. ELECTRICITY AND MAGNETISM. A mathematical treatment of the subject with applications. In the laboratory precise measurements are made. Prerequisite, Physics 1-2 and Mathematics 3-4. Three recitations and one laboratory period per week. Four semester hours.

Course 4 alternates with Course 6. Offered in 1928-29.

5. THERMODYNAMICS. The laws of thermodynamics will be discussed and applied to physical and chemical problems. In the laboratory certain essential measurements are made and various temperature measuring instruments studied. Prerequisite, Physics 1-2 and Mathematics 3-4. Three recitations and one laboratory period per week. Four semester hours.

6. OPTICS. Various optical systems will be studied in detail, and selected topics in Physical Optics discussed. In the laboratory measurements of optical constants are made with instruments of precision. Prerequisite, Physics 1-2 and Mathematics '3-4. Three recitations and one laboratory period per week. Four semester hours.

7-8. MODERN PHYSICS. The phenomena of radio-activity, x-rays, discharge of electricity through gases, etc., are studied. The theory of atomic structure will be discussed. Prerequisite, Physics 1-2 and Mathematics 3-4. Three recitations per week. Six semester hours.

Not offered in 1928-29.

POLITICAL SCIENCE PROFESSOR BARNARD

1-2. AMERICAN GOVERNMENT. A study of the structure and work of the federal, state, and local governments in the United States. The separation of powers, the division of powers, the party system, public opinion, and the trend of political institutions receive special consideration. Three hours per week. Six semester hours.

3. POLITICAL PARTIES. The composition and organization of the political party; party committees; party leaders and "bosses"; primary and convention systems; elections; party finance; and the function of the political party in a democracy. Three hours per week. *Three semester hours*.

4. MUNICIPAL GOVERNMENT. The daily work of the city; home rule, commission and city manager systems, municipal budgets, public utilities; city planning, public safety and public health; power and position of the city in our political system; present tendencies in municipal government. Three hours per week. *Three semester hours*.

5. COMPARATIVE GOVERNMENT. A study of modern types of representative government, particularly those of Great Britain, France, Germany, Italy, and Switzerland. A detailed comparison is made of the Cabinet and Presidential systems, as exemplified by England and the United States. Three hours per week. *Three semester hours*.

6. STATE GOVERNMENT. State constitutions; the limits of state powers; the organization and work of the various departments; state finance; town and county government; popular control over state officials. Three hours per week. *Three semester hours*.

Courses 3, 4 and 5, 6 are given in alternate years. Courses 5, 6 will be given in 1928-29.

7. POLITICAL PHILOSOPHY. A study of the nature and ends of the state, of government, of law, and the relation of sovereignty to individual liberty. Constant use is made of the writings of contemporary political scientists, such as Burgess, Willoughby, Wilson, Dealey, Bryce, Haines, Gettell, Garner, and Leacock. Three hours per week. *Three semester hours*.

8. AMERICAN POLITICAL THEORY. An attempt to get at the thinking that lay back of political action during the colonial, revolutionary, and national periods of our history. Considerable attention is given to decisions of the federal Supreme Court. Three hours per week. Three semester hours.

Courses of Instruction

Members of the History-Social Science Group majoring in Political Science must take work from the foregoing aggregating at least eighteen semester hours. If majoring in either History or Economics they must take at least six semester hours.

9-10. METHODS OF TEACHING THE SOCIAL STUDIES. The Pennsylvania course of study in History and Social Science for junior and senior high schools interpreted in the light of modern ideals and practices. Two hours per week. Four semester hours.

This course corresponds to the one now being given in state teachers colleges and university schools of education, and is required of all who are qualifying to teach Social Studies in the Pennsylvania secondary schools.

PSYCHOLOGY

PROFESSOR TOWER

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

2. SOCIAL PSYCHOLOGY. 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.

Course 2 alternates with Philosophy 2. Offered in 1928-29.

For EDUCATIONAL PSYCHOLOGY, see Education 4, page 41.

SPANISH

MR. TEDROW

1, 2. ELEMENTARY SPANISH. This course is intended for those who begin Spanish in college. It comprises a thorough study of elementary grammar, composition, pronunciation and the reading of carefully graded texts in Spanish. Three hours per week. Six semester hours.

3, 4. INTERMEDIATE SPANISH. Selected modern works read and studied in class; other stories and plays read outside and reported on. Review of grammar, word-building, composition, dictation, sight reading, reading in the original, conversation. Prerequisite, Course 1, 2, or two years of Spanish at entrance. Three hours per week. Six semester hours.

Course 3, 4 alternates with Course 5, 6. Not offered in 1928-29.

5, 6. COMMERCIAL SPANISH. Reading of selected works dealing with social and economic problems in Spanish-speaking countries. Discussion of the vocabulary of business and trade. Composition, dictation and conversation. Especially helpful for students in Economics who intend to engage in South American trade and business negotiations. Prerequisite, Course 1, 2 or two years of Spanish at entrance. Three hours per week. Six semester hours.

7, 8. SPANISH LITERATURE. A survey of the origin and development of Spanish literature. Selected works of writers in different periods read and discussed. The contribution of writers of the Golden Age such as Cervantes, Calderón, and Lope de Vega to the literature of the world as well as the work of Modern writers discussed in class. Lectures, reports and collateral reading. Prerequisite, Course 3, 4 or four years of Spanish at entrance. Two hours per week. *Four semester hours.*

THE GROUPS

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

CHOICE OF STUDIES

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

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

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

When a student changes to another group he will receive credit toward graduation only for such of the prescribed courses as he may have completed as are included in the group to which he has received permission to change.

REQUIREMENTS FOR GRADUATION

For the degree of Bachelor of Arts or Bachelor of Science, a student must complete one hundred and twenty-four semester hours of work. In addition, each student must complete at least four semester hours of physical training. A student may not take in any one semester less than twelve or more than eighteen semester hours of work. It is strongly recommended that the student's curriculum include: First year, thirty-three semester hours; Second year, thirty-two semester hours; Third year, thirty-two semester hours; Fourth year, twenty-seven semester hours. The Advisor may permit a deviation from these hours to an extent of three semester hours.

In arranging his curriculum, every regular student must provide for meeting the following general requirements:

A. FOR THE BACHELOR OF ARTS DEGREE: (1) six semester hours of Latin, provided four units of Latin were offered toward admission; twelve semester hours, provided only three units were offered toward admission; (2) six semester hours of the modern language offered toward admission, or twelve semester hours of a modern language begun in college, except for students of the Classics Group having had at least two years of a modern language in preparation, in which case the further study of modern languages is not required; (3) at least six semester hours of science with laboratory work.

B. FOR THE BACHELOR OF SCIENCE DEGREE: (1) six semester hours of a modern language at least two years of which were offered toward admission, or twelve semester hours of a modern language begun in college; (2) at least six semester hours of science with laboratory work; (3) four semester hours of mathematics, in addition to the mathematics prescribed for all students, or an equivalent amount, or more, of work in science.

The general requirements in foreign languages and in science must be fulfilled one year prior to graduation.

In the synopses of the Groups on the following pages, prescribed courses are printed in small capitals. Figures designate courses as arranged by departments on preceding pages. Odd numbers refer to first semester, even numbers to second semester. Numbers in parentheses indicate semester hours.

THE CLASSICS GROUP

First Year		Second Year	
LATIN A, B* or 1, 2	(6)	LATIN 1, 2 or 3, 4	(6)
GREEK 1-2	(6)	GREEK 3 and 4	(6)
ENGLISH BIBLE 1, 2	(4)	HISTORY, 1, 2 or 5-6	(6)
ENGLISH COMP. 1	(3)	PHYSICAL TR. 1, 2	
ENGLISH COMP. 2 or	(3)	Biology 3-4	(6)
ENGLISH LIT. 2	(3)	Chemistry 1-2	(8)
MATHEMATICS 1, 2	(4)	Education 1; 2	(3)
PHYSICAL TR. 1, 2		English Comp. 3, 4	(4)
Biology 1-2	(2)	English Comp. 5	(3)
Biology 3-4	(6)	English Lit. 2	(3)
Economics 1, 2	(4)	English Lit. 3, 4	(6)
French 1, 2 or 3, 4	(6)	English Lit. 11-12	(4)
German 1, 2 or 3, 4	(6)	French 1, 2 or 3, 4	(6)
History 1, 2 or 5-6	(6)	German 1, 2 or 3, 4	(6)
Mathematics 3, 4	(4)	Music 3-4	(6)
Music 1-2	(4)	Physics 1a-2a	(8)
Spanish 1, 2 or 5, 6	(6)	Political Science 1-2	(6)
		Psychology 1	(3)

Third Year

ATIN 5, 6 or		GREEK 5 and 6 or
GREEK 5 and 6	(4)	LATIN 5, 6
ENGLISH BIBLE 3, 4	(4)	PHILOSOPHY 1
SYCHOLOGY 1	(3)	Biology 11-12
Siology 11-12	(4)	Church History 1, 2
Conomics 3-4	(6)	Education 5; 6
Education 1; 2	(3)	Education 8; 9
Education 4; 5; 6	(3)	English Comp. 8
English Comp. 5	(3)	English Lit. 7, 8
English Comp. 8	(3)	English Lit. 9-10
English Lit. 7, 8	(6)	English Lit. 11-12
English Lit. 11-12	(4)	Expression 1, 2
Expression 1, 2	(4)	French 7, 8
German 7, 8	(4)	History 7, 8
History 4; 10	(3)	History 4 or 10
Music 5-6	(6)	Latin 9, 10
Philosophy 1	(3)	Music 7, 8
Political Science 5; 6	(3)	Music 9
sychology 2	(3)	Philosophy 3, 4; 5, 6; 7-8
		Political Science 7, 8

Political Science 9-10 (4)

Fourth Year

(4)(3) (4)(4)(3) (3) (3) (6) (4)(4) (4) (4) (6) (3) (2) (2)(3)

(6) (6)

*For students who present only three units of Latin toward admission.

Groups of Courses

THE MATHEMATICS GROUP

First Year	
MATHEMATICS 1a, 2a	(6)
ENGLISH BIBLE 1, 2	(4)
ENGLISH COMP. 1	(3)
ENGLISH COMP. 2 or	(3)
English Lit. 2	(3)
FRENCH 1, 2 or 3, 4* or	
GERMAN 1, 2 or 3, 4 or	
LATIN A, B or 1, 2	(6)
PHYSICAL TR. 1, 2	
Biology 1-2	(2)
Biology 3-4	(6)
Economics 1, 2	(4)
Greek 1-2	(6)
History 1, 2	(6)
History 5-6	(6)
Music 1-2	(4)
Spanish 1, 2 or 5, 6	(6)

Third Year

MATHEMATICS 5, 6 or 7, 8	(6)
ENGLISH BIBLE 3, 4	(4)
PSYCHOLOGY 1	(3)
Biology 3, 4	(6)
Biology 5, 6	(8)
Biology 11-12	(4)
Chemistry 3-4	(8)
Economics 3-4	(6)
Education 1; 2	(3)
Education 4; 5; 6	(3)
English Comp. 5	(3)
English Comp. 8	(3)
English Lit. 7, 8	(6)
English Lit. 11-12	(4)
Expression 1, 2	(4)
History 4; 10	(3)
Mathematics 11-12 or 15, 16	(4)
Music 3-4	(6)
Philosophy 1	(3)
Physics 3; 4	(4)
Political Science 5; 6	(6)
Psychology 2	(3)

Second Year	
MATHEMATICS 3, 4	(6)
LATIN 1, 2 or	(6)
PHYSICS 1-2	(8)
HISTORY 1, 2 or 5-6	(6)
PHYSICAL TR. 1, 2	(0)
Biology 3-4	(6)
Biology 5-6	(8)
Chemistry 1-2	(8)
Education 1; 2	(3)
English Comp. 3, 4	(4)
English Comp. 5	(3)
English Lit. 2	(3)
English Lit. 3, 4	(6)
English Lit. 11-12	(4)
French 5, 6; 7, 8	(4)
German 3, 4	(6)
Political Science 1-2	(6)
Psychology 1	(3)
Spanish 5, 6	(6)

Fourth Year

WIATHEMATICS 7-8	(6)
PHILOSOPHY 1	(3)
Biology 11-12	(4)
Church History 1, 2	(4)
Education 5, 6	(6)
Education 8; 9	(3)
English Comp. 8	(3)
English Lit. 7, 8	(6)
English Lit. 9-10	(4)
English Lit. 11-12	(4)
Expression 1, 2	(4)
History 4 or 10	(3)
Mathematics 11, 12	(4)
Mathematics 13, 14	(4)
Mathematics 15-16	(4)
Music 5-6	(6)
Philosophy 3, 4	(6)
Philosophy 5, 6	(6)
Philosophy 7-8	(4)
Physics 3-4	(8)
Political Science 7; 8	(3)

*Candidates for the Bachelor of Science degree take French or German; candidates for the Bachelor of Arts degree take Latin.

THE CHEMISTRY-BIOLOGY GROUP

First Year		Second Year	
BIOLOGY 3-4, or	(6)	CHEMISTRY 1-2 or 3-4 or	(8)
CHEMISTRY 1-2	(8)	BIOLOGY 5-6	(8)
ENGLISH BIBLE 1, 2	(4)	HISTORY 1, 2 or 5-6	(6)
ENGLISH COMP. 1	(3)	PHYSICS 1, 2	(8)
ENGLISH COMP. 2 or	(3)	PHYSICAL TR. 1, 2	
ENGLISH LIT. 2	(3)	Biology 3-4	(6)
FRENCH 1, 2 or 3, 4,* or		Education 1; 2	(3)
LATIN A, B or 1, 2	(6)	English Comp. 3, 4	(4)
MATHEMATICS 1, 2	(4)	English Comp. 5	(3)
PHYSICAL TR. 1, 2		English Lit. 2	(3)
Biology 1-2	(2)	English Lit. 3, 4	(6)
German 1, 2; 3, 4	(6)	French 5, 6 or 7, 8	(4)
Greek 1-2	(6)	German 3, 4	(6)
Economics 1, 2	(4)	Mathematics 3, 4	(6)
History 1, 2	(6)	Political Science 1-2	(6)
History 5-6	(6)	Psychology 1	(3)
Spanish 1, 2	(6)	Spanish 5, 6	(6)

Third Year		Fourth Year	
BIOLOGY 9-10 or	(8)	CHEMISTRY 7-8 or	(8)
CHEMISTRY 3-4 or 5-6	(8)	BIOLOGY 9-10	(8)
ENGLISH BIBLE 3, 4	(4)	PHILOSOPHY 1	(3)
PSYCHOLOGY 1	(3)	Biology 11-12	(4)
Biology 5-6	(6)	Biology 14	(4)
Biology 11-12	(4)	Biology 15	(4)
Chemistry 9-10	(4)	Chemistry 9-10	(4)
Economics 3-4	(6)	Church History 1, 2	(4)
Education 1, 2	(6)	Education 5; 6	(3)
Education 4	(3)	Education 8; 9	(3)
Education 5; 6	(3)	English Comp. 8	(3)
English Comp. 5	(3)	English Lit. 9-10	(4)
English Comp. 8	(3)	English Lit. 11-12	(4)
English Lit. 7, 8	(6)	Expression 1, 2	(4)
English Lit. 11-12	(4)	History 4	(3)
French 5, 6; 7, 8	(4)	History 10	(3)
German 7, 8 or 11, 12	(4)	Philosophy 3, 4	(6)
History 4; 10	(3)	Philosophy 5, 6	(6)
Philosophy 1	(3)	Philosophy 7-8	(4)
Physics 3; 4	(4)	Physics 3, 4	(8)
Political Science 3; 4	(3)	Political Science 7; 8	(3)
Psychology 2	(3)		

*Candidates for the Bachelor of Science degree take French; candidates for the Bachelor of Arts degree take Latin.

Groups of Courses

THE HISTORY-SOCIAL SCIENCE GROUP

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ENGLISH BIBLE 1, 2	(4)
ENGLISH COMP. 1	(3)
ENGLISH COMP. 2 or	(3)
English Lit. 2	(3)
FRENCH 1, 2 or 3, 4* or	
GERMAN 1, 2 or 3, 4 or	
LATIN A, B or 1, 2	(6)
MATHEMATICS 1, 2	(4)
PHYSICAL TR. 1, 2	
Biology 1-2	(2)
Biology 3-4	(6)
Economics 1, 2	(4)
Greek 1-2	(6)
History 1, 2 or 5-6	(6)
Mathematics 3, 4	(4)
Music 1-2	(4)
Spanish 1, 2	(6)

Third Year

POLITICAL SCIENCE 5, 6 or	(6)
ECONOMICS 5, 6 or	(6)
HISTORY 4, 10	(6)
ENGLISH BIBLE 3, 4	(4)
PSYCHOLOGY 1	(3)
Biology 11-12	(4)
Church History 1, 2	(4)
Education 1; 2	(3)
Education 4; 5; 6	(3)
English Comp. 5	(3)
English Comp. 8	(3)
English Lit. 7, 8	(5)
English Lit. 11-12	(4)
Expression 1, 2	(4)
French 7, 8; 9, 10	(4)
German 7, 8	(4)
German 11, 12	(4)
Music 5-6	(6)
Philosophy 1	(3)
Psychology 2	(3)
Spanish 5, 6	(6)

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HISTORY 1, 2 or 5-6	(6)
POLITICAL SCIENCE 1-2	(6)
ECONOMICS 3-4	(6)
PHYSICAL TR. 1, 2	
French 3, 4 or	
German 3, 4 or	
Spanish 5, 6	(6)
Biology 3-4	(6)
Biology 5-6	(8)
Chemistry 1-2	(8)
Education 1; 2	(3)
English Comp. 3, 4	(4)
English Comp. 5	(3)
English Lit. 2	(3)
English Lit. 3, 4	(6)
English Lit. 11-12	(4)
Music 3-4	(6)
Physics 1-2	(8)
Psychology 1	(3)
Fourth Year	
ECONOMICS 9, 10 or	(4)
HISTORY 7, 8 or	(6)
POLITICAL SCIENCE 7, 8	(6)
PHILOSOPHY 1	(3)
Biology 11-12	(4)
Church History 1, 2	(4)
Education 5; 6	(3)
Education 8; 9	(3)
English Comp. 8	(3)
English Lit. 7, 8	(6)

English Lit. 9-10

History 14

Music 9

English Lit. 11-12

Mathematics 13-14

Mathematics 15-16

Philosophy 3, 4

Philosophy 5, 6

Philosophy 7-8

Political Science 9-10

French 7, 8; 11, 12

*Candidates for the Bachelor of Science degree take French; candidates for the Bachelor of Arts degree take Latin.

(4)

(4)

(4)

(1)

(4)

(4)

(3)

(6)

(6)

(4)

(4)

THE ENGLISH GROUP

First Year		Second Year	
ENGLISH COMP. 1	(3)	ENGLISH LIT. 11-12	(4)
ENGLISH COMP. 2 or	(3)	English Lit. 3, 4	(6)
English Lit. 2	(3)	HISTORY 1, 2 or 5-6	(6)
ENGLISH BIBLE 1, 2	(4)	PHYSICAL TR. 1, 2	
FRENCH 1, 2 or 3, 4* or		Biology 3-4	(6)
LATIN A, B or 1, 2	(6)	Chemistry 1-2	(8)
MATHEMATICS 1, 2	(4)	Education 1; 2	(3)
PHYSICAL TR. 1, 2		English Comp. 3, 4	(4)
Biology 1-2	(2)	English Comp. 5	(3)
Biology 3-4	(6)	English Lit. 2	(3)
Economics 1, 2	(4)	French 3, 4 or 5, 6 or	
German 1, 2 or 3, 4	(6)	German 3, 4	(6)
Greek 1-2	(6)	Music 3-4	(6)
History 1, 2 or 5-6	(6)	Physics 1-2	(8)
Mathematics 3, 4	(4)	Political Science 1-2	(6)
Music 1-2	(4)	Psychology 1	(3)
Spanish 1, 2	(6)	Spanish 5, 6	(6)

Third Year		Fourth Year		
ENGLISH LIT. 7, 8	(6)	ENGLISH LIT. 9-10	(4)	
ENGLISH BIBLE 3, 4	(4)	PHILOSOPHY 1	(3)	
HISTORY 4	(3)	Biology 11-12	(4)	
PSYCHOLOGY 1	. (3)	Church History 1, 2	(4)	
Biology 3-4	(6)	Education 5; 6	(3)	
Biology 5-6	(8)	Education 8; 9	(3)	
Biology 11-12	(4)	English Comp. 8	(3)	
Chemistry 1-2	(8)	Expression 1, 2	(4)	
Church History 1, 2	(4)	French 11, 12	(4)	
Education 4; 5; 6	(3)	French 13, 14	(2)	
Economics 3-4	(6)	German 11, 12	(4)	
English Comp. 5; 8	(3)	History 14	(1)	
Expression 1, 2	(4)	Mathematics 17, 18	(4)	
History 10	(3)	Music 7, 8	(2)	
History 14	(1)	Music 9	(4)	
Music 5-6	(6)	Philosophy 3, 4	(6)	
Music 7, 8	(2)	Philosophy 5, 6	(6)	
Physics 1-2	(8)	Philosophy 7-8	(4)	
Political Science 5; 6	(3)	Political Science 5; 6	(3)	
Political Science 7; 8	(3)	Political Science 9-10	(4)	
Spanish 5, 6	(6)			

*Candidates for the Bachelor of Science degree take French; candidates for the Bachelor of Arts degree take Latin.

Groups of Courses

THE MODERN LANGUAGES GROUP

rirst rear	
FRENCH 1, 2 or 3, 4* or	
LATIN A, B or 1, 2	(6)
GERMAN 1, 2 or 3, 4 or	
SPANISH 1, 2 or 5, 6	(6)
ENGLISH BIBLE 1, 2	(4)
ENGLISH COMP. 1	(3)
ENGLISH COMP. 2 or	(3)
ENGLISH LIT. 2	(3)
MATHEMATICS 1, 2	(4)
PHYSICAL TR. 1, 2	
Biology 1-2	(2)
Biology 3-4	(6)
Economics 1, 2	(4)
Greek 1-2	(6)
History 1, 2 or 5-6	(6)
Mathematics 3, 4	(4)
Music 1-2	(4)

Third Year

a min a cur		rourin 1ea
GERMAN 7, 8 or	(4)	FRENCH 7, 8 or
FRENCH 5, 6 or 7, 8 or	(4)	GERMAN 11, 12
SPANISH 5, 6	(6)	ENGLISH LIT. 7, 8
ENGLISH BIBLE 3, 4	(4)	PHILOSOPHY 1
PSYCHOLOGY 1	(3)	Biology 11-12
Biology 11-12	(4)	Church History 1, 2
Church History 1, 2	(4)	Education 5; 6; 8; 9
Economics 3-4	(6)	English Comp. 8
Education 1; 2	(3)	English Lit. 9-10; 11-1
Education 4; 5; 6	(3)	Expression 1, 2
English Comp. 5	* (3)	French 11, 12
English Comp. 8	(3)	French 13, 14
English Lit. 7, 8	(6)	German 13, 14
English Lit. 11-12	(4)	History 4; 10
Expression 1, 2	(4)	History 7, 8
History 4	(3)	Music 7, 8
History 10	(3)	Music 9
Music 5-6	(6)	Philosophy 3, 4
Music 7, 8	(2)	Philosophy 5, 6
Political Science 3; 4	(3)	Philosophy 7-8
Psychology 2	(3)	Political Science 9-10

*Candidates for the Bachelor of Science degree take French; candidates for the Bachelor of Arts degree take Latin.

Second Year	
FRENCH 3 4 or 5 6 or	
LATIN 1, 2	(6)
GERMAN 3, 4 or 7, 8	(6)
SPANISH 5, 6	(6)
HISTORY 1, 2 or 5-6	(6)
PHYSICAL TR. 1, 2	
Biology 3-4	(6)
Biology 5-6	(8)
Chemistry 1-2	(8)
Education 1; 2	(3)
English Comp. 3, 4	(4)
English Comp. 5	(3)
English Lit. 3, 4	(6)
English Lit. 11-12	(4)
Music 3-4	(6)
Physics 1-2	(8)
Political Science 1-2	(6)
Psychology 1	(3)

Fourth Year	
FRENCH 7, 8 or	
GERMAN 11, 12	(4)
ENGLISH LIT. 7, 8	(6)
PHILOSOPHY 1	(3)
Biology 11-12	(4)
Church History 1, 2	(4)
Education 5; 6; 8; 9	(3)
English Comp. 8	(3)
English Lit. 9-10; 11-12	(4)
Expression 1, 2	(4)
French 11, 12	(4)
French 13, 14	(2)
German 13, 14	(2)
History 4; 10	(3)
History 7, 8	(6)
Music 7, 8	(2)
Music 9	(3)
Philosophy 3, 4	(6)
Philosophy 5, 6	(6)
Philosophy 7-8	(4)

(4)

THE BUSINESS ADMINISTRATION GROUP

Second Year

(6)

(6)

(6)

(6) (6)

(8)

(3)

(4)

(3)

(6) (4)

(4)

(6)

(8)(6)

(3)

(3) (2)(6) (3) (4)(4)(2)(3)(3)(3) (6)(4)(4)(4) (4) (4)(3) (3) (6)(4) (4)

ECONOMICS 3-4

HISTORY 1, 2 or 5-6

PHYSICAL TR. 1, 2 French 3, 4 or 5, 6 or German 3, 4 or Spanish 5, 6

Biology 3-4 Chemistry 1-2

Education 1; 2

English Comp. 3, 4

English Comp. 5

English Lit. 3, 4

English Lit. 11-12

Mathematics 3, 4 Music 3-4

Political Science 1-2

Fourth Year

Physics 1-2

Psychology 1

POLITICAL SCIENCE 1-2

First Year	
ECONOMICS 1, 2	(4)
ENGLISH BIBLE 1, 2	(4)
ENGLISH COMP. 1	(3)
ENGLISH COMP. 2 or	(3)
ENGLISH LIT. 2	(3)
FRENCH 1, 2 or 3, 4* or	
LATIN A, B or 1, 2	(6)
MATHEMATICS 1, 2	(+)
PHYSICAL TR. 1, 2	
Biology 1-2	(2)
Biology 3-4	(6)
German 1, 2 or 3, 4 or	
Spanish 1, 2 or 5, 6	(6)
Greek 1-2	(6)
History 1, 2 or 5-6	(6)
Mathematics 3, 4	(4)
Music 1-2	(4)

Third Year

(5)	ECONOMICS 9
(3)	ECONOMICS 10
(4)	HISTORY 7, 8
(3)	PHILOSOPHY 1
(4)	Biology 11-12
(4)	Church History 1, 2
(2)	Economics 13; 14
(3)	Education 5; 6
(3)	Education 8; 9
(3)	English Comp. 8
(3)	English Lit. 7, 8
(6)	English Lit. 9-10
(4)	English Lit. 11-12
(4)	French 7, 8
(4)	French 11, 12
(4)	German 11, 12
(3)	History 4; 10
(6)	Music 9
(3)	Philosophy 3, 4; 5, 6
(3)	Philosophy 7-8
(6)	Political Science 9-10

*Candidates for the Bachelor of Science degree take French; candidates for the Bachelor of Arts degree take Latin.

ADMINISTRATION

GRADES OF SCHOLARSHIP

On the completion of a course the standing of a student is expressed, according to his proficiency, by one of five grades, designated respectively by the letters A, B, C, D, E and F. Grade E denotes failure which may be made up by re-examination. Grade F denotes failure such that the course must be repeated.

Each student is required to do a grade of work that shall average C in the courses pursued in any one year, and in the event of his failure to do so, he is credited with only the courses in which his grade is C minus or better.

A permanent record is kept of each student's work, and a report of the same is sent to his parents or guardian at the close of each semester. Through correspondence and conferences, the co-operation of parents is sought in the endeavor to get the best possible results in the work of students.

HONORS

COMMENCEMENT PARTS

Two commencement parts (or honors) are assigned to members of the graduating class: One to the young man attaining the highest grade among the young men, the other to the young woman attaining the highest grade among the young women. Of these two, the one having the higher grade is assigned the Valedictory; the other, the Salutatory.

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 are: Summa Cum Laude, Magna Cum Laude, and Cum Laude, and 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 as prescribed in the following rules:

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 not later than the last day before final examinations of the college year prior to that in which he expects to receive his degree.

2. A student must have maintained a grade not lower than C in any course previously 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 shall be required to do 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 of which at least twelve semester hours must be in the subject in which he is registered for Department Honors, and shall 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 Fourth year final examinations.

PRIZES

ORATORICAL PRIZES

Cash prizes of Twenty Dollars and Fifteen Dollars are offered by Alvin Hunsicker, B.S., of New York City, and the Rev. J. W. Meminger, D.D., of Lancaster, Pa., respectively, both members of the class of 1884, for the best and second best orations delivered in the Junior Oratorical Contest for men on Friday evening of Commencement week.

Cash prizes of Twenty Dollars and Ten Dollars are offered by the Ursinus Circle, and Mrs. L. A. Shiffert, of Pottstown, Pa., as a memorial to Dorothy A. Shiffert, '19, respectively, for the best and second best orations delivered in the Junior Oratorical Contest for young women, held also on Friday evening of Commencement week.
THE HAVILAH MC CURDY-BENNETT ESSAY PRIZE

A cash prize of Twenty Dollars is offered by Mrs. Havilah McCurdy-Bennett, A.M., '92, of Washington, D. C., for the best essay on an assigned subject. Competition is open to all First year students. The award is made at the annual commencement.

THE PHILIP H. FOGEL MEMORIAL PRIZE

The Philip H. Fogel Memorial Prize of Twenty-five Dollars is awarded annually to the student who attains the highest excellence in the department of the English Bible, as shown by examination on completion of all prescribed 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 E. L. WAILES MEMORIAL PRIZE

The E. L. Wailes Memorial Prize of Twenty Dollars is awarded annually to the student who attains the highest standing in the course in the English Bible prescribed for First year students. This prize has been established in memory of E. L. Wailes by his son, the Rev. George Handy Wailes, D.D., Professor of the English Bible in Ursinus College, 1908-1921.

THE ROBERT TRUCKSESS PRIZE

The Robert Trucksess Prize of Twenty-five Dollars in gold is awarded at each annual commencement to that member of the graduating class and of the History-Social Science Group who shall have done satisfactory work throughout the entire college course and who shall have shown the most exceptional ability in the major studies of his group. This prize is the gift of Robert Trucksess, Esq., of Norristown, Pennsylvania.

THE PAISLEY PRIZES

Two prizes of Twenty-five Dollars each for the best dissertations on an assigned topic in the Department of Philosophy by members of the senior class, one open to men, the other open to women, are offered respectively 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 in problems of practical life. The awards are made at the annual commencement exercises.

THE ELIZABETH ROCKEFELLER MCCAIN PRIZE

A prize of Fifty Dollars has been endowed in perpetuity by 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 shall have shown greatest ability in the knowledge and use of the English language as indicated by work in composition and literature.

THE PRESIDENT'S AWARD

A gold medal bearing the Athletic Emblem of Ursinus College is awarded at graduation to the student who throughout his college course shall have won highest distinction in athletics. This medal is the gift of the President of the College.

OPEN SCHOLARSHIPS

The College offers five scholarships of Two Hundred and Fifty Dollars each, open to young men who may apply as candidates from approved preparatory and first-grade high schools. Selection for these scholarships is based on the following: 1. Qualities of personality, character and leadership. 2. Scholarly ability and attainments. 3. Physical vigor as shown by interest and skill in outdoor sports, or in other ways.

DEGREES

The College confers the degrees of Bachelor of Arts and Bachelor of Science on all students who have completed the academical exercises appointed for them by the Faculty, and, upon final examination, have been approved as candidates for these degrees. The institution confines itself exclusively to undergraduate work. Candidates for the degree of Master of Arts are referred to university graduate schools.

Organizations

On academic occasions 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 or service may have been deemed worthy of such recognition by the Faculty.

ORGANIZATIONS

Two literary societies, the ZWINGLIAN and the SCHAFF, each having held a place of honor and great usefulness in the College from the earliest days, provide opportunities to all students for the cultivation of the arts and letters. Both societies meet regularly every Friday evening throughout the year.

The DEBATING CLUBS and the DRAMATIC CLUB foster interest and develop skill in their respective fields of expression.

The YOUNG MEN'S CHRISTIAN ASSOCIATION, the YOUNG WOMEN'S CHRISTIAN ASSOCIATION, a STUDENT VOLUNTEER BAND and the BROTHERHOOD OF ST. PAUL represent active and helpful forms of religious life among the students.

The ATHLETIC ASSOCIATION, the Men's and Women's GLEE CLUBS, the COLLEGE BAND and the CHAPEL CHOIR provide a wide range of extra-classroom activities for the exercise of special talents and the development of latent abilities.

The seven GROUPS of the college hold stated meetings. The groups are of the nature of literary and scientific clubs, and the meetings combine academical and social features.

PUBLICATIONS

THE URSINUS BULLETIN, of which the catalogue is a number, is the official publication of the College. It is issued quarterly and is distributed free of charge to the students and the public.

THE URSINUS WEEKLY, published by the Alumni Association, is managed by a Board of Control representative of the

alumni, the Faculty and the student body, and edited by a Staff chosen from among the students on a basis of merit. It is a four-page newspaper, invaluable as a record of life at Ursinus for students and alumni alike. It is issued on subscription at cost.

THE RUBY, the Senior class book, is an annual printed on plate paper and elegantly bound. It is a pictorial volume presenting an intimate view of the year's life, not only of the Class, but of the whole College. The book is sold at a price to cover cost.

POST OFFICE AND SUPPLY STORE

The College maintains a Post Office for the handling of all mail matter. Adjacent to the Post Office is a Supply Store, in which is kept on sale a full line of textbooks (new and second-hand), stationery, athletic goods, fruits and confections, souvenirs, novelties, and students' supplies. The profits of the Store are used in the support of the College Library.

EXPENSES

Ursinus College is a residential college. All students except those who reside in their own homes, occupy rooms provided by the College and take their meals in the college dining rooms. The expenses of the year are therefore comprehended in a single fee which covers class-room instruction, privileges of the library, the gymnasium and the infirmary, ordinary medical attention, care by the resident nurse, subscription to the Ursinus Weekly, admission to all athletic games on the home grounds and to all numbers of the lecture and entertainment course, furnished room, including heat, light and attendance, and table board, exclusive of the Christmas and Easter recesses. This fee for the year 1928-29 is from \$600 to \$640, and for the year 1929-30 it will be from \$625 to \$665, depending on the location of the room occupied. The charge for a student

Expenses

attending college from his own home is for the year 1928-29, \$275, and for the year 1929-30 it will be \$300.

Extra charges to cover the cost of materials in the several laboratory courses payable on or before November 19th, are as follows:

Biology 3-4, 5-6\$15	Chemistry 3-4\$15
Biology 7-8, 9-10 20	Chemistry 5-6 10
Biology 14 5	Chemistry 7-8 20
Chemistry 1-2 15	Physics 1-2 15

A charge of \$10 is made in the last bill of the senior year to cover graduation expenses.

A deposit of \$10 is required of each student to defray any expenses incurred by injury to property. The unexpended balance is returned to the student when he leaves the institution.

A student who is absent from college on account of sickness or for any other reason, and retains his place in class, pays the fee in full during his absence except when the absence is continuous over a period exceeding two weeks, in which case a rebate is allowed resident students of \$5 for each full week, on account of table board. No remittance is allowed on account of dismissal or withdrawal of a student from the institution during a semester.

In case of sickness occurring at the institution the College maintains the right to enforce quarantine and to engage the services of a special attendant if necessary, but the College 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.

FEES FOR INSTRUCTION IN MUSIC

Private lessons per term of fifteen weeks: piano, once a week, \$30; voice, once a week, \$30. The charge for use of piano is \$10 a year.

PAYMENT OF BILLS

A candidate for admission must pay \$10 on account at the time he files his application in order to secure a place in the institution. An enrolled student must pay \$10 on or before April 25th of each year in order to secure a place for the ensuing year. In every case this payment is forfeited if the student fails to complete his registration.

The yearly charge to the student is payable in four installments as follows:

	Resident Students	Day Students
At the opening of college	\$150	\$68.75
On or before November 19	150	68.75
On or before January 21	150	68.75
On or before March 25	150	68.75

The bills may vary from the stated amounts in certain instances on account of location of rooms and laboratory charges. Bills are issued approximately thirty days in advance. Students whose accounts are still open will not receive credit for attendance upon classes after the dates of settlement announced above.

Credits on account of scholarships or service under the Bureau of Self-Help are allowed on the November and March bills.

Bills due the Supply Store or fees due any of the organizations in the College must be paid or their payment secured before the Saturday preceding the Commencement on which the student expects to receive his degree.

Checks should be made payable to Ursinus College.

SCHOLARSHIPS

MUSIC SCHOLARSHIP

The College offers a scholarship of Two Hundred and Fifty Dollars, provided by the Presser Foundation, to be used in assisting a student who desires to specialize in music. The

Scholarships

scholarship may be divided between two students if in the judgment of the President and the instructors in the Department of Music, this seems advisable.

PERMANENT SCHOLARSHIPS

The College possesses forty-five permanent scholarships. The income of each scholarship is assigned annually to a student designated by the founder of the scholarship or by the College. The list of these scholarships is as follows:

THE GEORGE WOLFF SCHOLARSHIP, founded by the Rev.	
George Wolff, D.D., of Myerstown, Pa.,	\$1,000
THE WILLIAM A. HELFFRICH SCHOLARSHIP, founded by the	
Rev. W. A. Helffrich, D.D., of Fogelsville, Pa.,	1,000
THE NATHAN SPANGLER SCHOLARSHIP, founded by Mr.	
Nathan Spangler of York, Pa.,	1,000
THE ANNA M. BOMBERGER SCHOLARSHIP, founded by Miss	
Anna M. Bomberger, with gifts amounting to \$600, and com-	
pleted by Mrs. H. S. Bomberger, both of Lancaster, Pa.,	1,000
THE ABRAHAM WAGNER SCHOLARSHIP, founded under the	
will of Mr. Abraham Wagner of the Robison Church, Berks	
County, Pa.,	1,000
THE CARSON SCHOLARSHIP, founded under the will of Cap-	
tain John Carson of Newberg, Cumberland County, Pa.,	1,000
THE KELKER SCHOLARSHIP, founded by Mr. Rudolph F.	
Kelker of Harrisburg, Pa.,	1,000
THE KEELEY SCHOLARSHIP, founded by Mr. Joseph Keeley	
of Spring City, Pa.,	1,000
THE JOHN B. FETTERS MEMORIAL SCHOLARSHIP, founded by	
Mrs. Rebecca B. Fetters of Uwchland, Chester County, Pa., in	
memory of her deceased son, who died after a week's attend-	1 000
ance at College in September, 1885,	1,000
THE JOHN BROWNBACK MIEMORIAL SCHOLARSHIP, founded	
of Unrehland Chester County Pa in memory of their de	
caused father	1 000
THE FRANKLIN W KREMER MEMORIAL SCHOLARSHIP	1,000
founded by the Rey F W Kremer DD with gifts amount-	
ing 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, by an endowment of \$500,	1,000

THE HENRY FRANCIS SCHOLARSHIP, founded by Mr. Henry	
Francis of Spring City, Pa., THE CLEMENTINA R. STEWART SCHOLARSHIP, founded under	\$1,000
the will of Miss Clementina R. Stewart of Myerstown, Pa., THE I. WILLIAM BIRELEY SCHOLARSHIP, founded by Mr. I.	1,000
William Bireley of Frederick City, Md.,	1,000
founded under the will of Miss Mary M. Brownback of	
Uwchland, Chester County, Pa., THE MARY M. BROWNBACK SCHOLARSHIP, founded under the will of Miss Mary M. Brownback of Uwchland, Chester	1,000
County, Pa.,	1,000
THE FRANCES KREADY SCHOLARSHIP, founded by Miss Frances Kready of Lancaster, Pa.,	2,000
THE JOHN H. CONVERSE SCHOLARSHIP, founded by Mr.	
John H. Converse of Philadelphia,	1,000
THE FREELAND G. HOBSON SCHOLARSHIP, founded under the will of Freeland G. Hobson, LL.D., '76, of Collegeville,	1,000
THE STAUFFER MEMORIAL SCHOLARSHIP, founded in	
memory of Rebert Ursinus and John Donald Stauffer, deceased	
children of the pastor, Rev. J. J. Stauffer, by gifts amounting	
to \$500 from the pastor and members of the Lykens Valley	
Mrs Elizabeth Ritzman of Gratz Pa	1 000
THE SPRANKLE SCHOLARSHIP, founded under the will of	1,000
Samuel Sprankle, deceased, of Altoona, Pa.,	2,000
THE FRANCIS MAGEE SCHOLARSHIP, founded by the late	
Francis Magee of Philadelphia,	1,000
THE HEIDELBERG SCHOLARSHIP, founded by a member of	
Heidelberg Reformed Church, York, Pa.,	1,000
THE SAINT MARK'S SCHOLARSHIP, founded in 1918 by the	
in honor of their pastor the Rey I Calvin Fisher D.D. '89	
and his wife, Eva S. Fisher, and in celebration of their	
twenty-fifth anniversary in the pastorate of Saint Mark's	
Church,	1,000
THE BAHNER SCHOLARSHIP, founded in 1919 by the mem-	
bers of Trinity Reformed Church, Waynesboro, Pa., in honor	
of the Rev. Franklin F. Bahner, D.D., '73, and his wife, Mary	
service in the pastorate of the Waynesborn charge	1.000
service in the pastorate of the waynesbord charge,	-1000

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Scholarships

THE MARTIN B. NEFF SCHOLARSHIP, founded in memory of the late Martin B. Neff, of Alexandria, Pa., and in recognition of his life-long interest in Ursinus College, out of the funds of his estate, at the instance of his sister, Miss Annie Neff,

THE PENNSYLVANIA FEMALE COLLEGE MEMORIAL SCHOLAR-SHIP, 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,

THE WILLIAM URSINUS HELFFRICH SCHOLARSHIP, founded by Christ Reformed Church, Bath, Pa., on the twenty-fifth anniversary of the ministry of their pastor,

THE JOSEPH H. HENDRICKS MEMORIAL SCHOLARSHIP, founded in memory of the Rev. Joseph H. Hendricks, D.D., for forty-three years (1862-1905) pastor of Trinity Church, Collegeville, and for eighteen years (1887-1906) a Director of Ursinus College, by his friend, Jacob P. Buckwalter, of Macon, Georgia,

THE SILAS H. RUSH SCHOLARSHIP, founded in memory of her parents, Mr. and Mrs. Silas H. Rush, by Mrs. E. R. Hoffman, of Philadelphia,

THE J. B. SHONTZ MEMORIAL SCHOLARSHIP, founded by the Congregation and Sunday-school of Saint John's Reformed Church, Chambersburg, Pa., in memory of their former pastor, the late Rev. J. B. Shontz,

THE HILLTOWN SCHOLARSHIP, founded by the Hilltown charge of the Reformed Church in the United States, Bucks County, Pa.,

THE TRINITY BIBLE SCHOOL SCHOLARSHIP, founded by the Bible School of Trinity Reformed Church, Philadelphia,

THE ASPDEN MEMORIAL SCHOLARSHIP, founded by Mr. Newton J. Aspden, of Trinity Reformed Church, Philadelphia, in memory of his beloved wife, Levinah Erb Aspden,

THE TRUMBOWER MEMORIAL SCHOLARSHIP, founded by Mr. H. C. Trumbower, of Trinity Reformed Church, Philadelphia, in memory of his parents, Dr. Lewis T. and Annie B. Troxel Trumbower,

THE PAISLEY SCHOLARSHIP, founded in honor of Mrs. Carrie Strassburger Paisley, of Trinity Reformed Church, Philadelphia, 1,000

2,500

3,000

\$1,000

1,200

79

1,000

1,000

2,000

5,000

5,000

2,000

THE SCHWENKSVILLE COMMUNITY SCHOLARSHIP, founded by the citizens of Schwenksville, Pa.,	\$2.000
THE BETHANY TABERNACLE SCHOLARSHIP, founded by the congregation of Bethany Tabernacle Reformed Church, Phila- delphia, the Rev. H. H. Hartman, '94, pastor,	2,000
THE SAINT PAUL'S, LANCASTER, SCHOLARSHIP, founded by he congregation of Saint Paul's Reformed Church, Lancaster, Pa., the Rev. T. A. Alspach, D.D., '07, pastor,	2,000
THE JAMES W. MEMINGER SCHOLARSHIP, founded by the congregation of Saint Paul's Reformed Church, Lancaster, Pa., in honor of the Rev. James W. Meminger, D.D., '84, former pastor,	1,000
THE SAINT JOHN'S, ORWIGSBURG, SCHOLARSHIP, founded by he congregation of Saint John's Reformed Church, Orwigs- burg, Pa., the Rev. D. R. Krebs, '02, pastor,	1,000
THE MEYRAN SCHOLARSHIP, founded by Mr. Louis A. Meyran and his wife, Marie H. Meyran, of Grace Reformed Church, Pittsburgh, Pa.,	2,000
THE LEROY BOYER LAUBACH SCHOLARSHIP, founded in nemory of LeRoy Boyer Laubach by his mother, Mrs. M. B. Laubach of Philadelphia, Pa.,	2,000
THE OMWAKE MEMORIAL SCHOLARSHIP, founded by W. T. Omwake, Esq., of Waynesboro, Pennsylvania, as a memorial o his parents, Henry and Eveline Beaver Omwake,	2,000
THE APPEL MEMORIAL SCHOLARSHIP, founded under the will of the Rev. Richard S. Appel, D.D., as a memorial to his on Robert S. Appel, A.B., '01, deceased,	2,000

STUDENT LOAN FUND

The Directors of the College have established a Student Loan Fund from which students, lacking resources to complete their education may borrow in amounts not exceeding a total of \$500, nor aggregating more than \$200 in any one year. Applications for loans must be filed in writing with the President of the College whom the Directors have authorized to act as Director of the Student Loan Fund.

Self-Help

BUREAU OF SELF-HELP

This bureau, conducted under the management of officers of the College, provides opportunities in which students may meet part of their expenses by serving in working positions in the institution. These positions are standardized so as to represent an amount of work not likely to overtax the physical resources of the student nor to interfere with his studies. Positions under the Bureau of Self-Help, however, always must be regarded as taking precedence over any extra-curriculum student activities. A standard position, as a waitership in the dining room, yields compensation amounting to One Hundred and Seventy-five Dollars for the year. About sixty positions, representing varying amounts and types of work, are open to students.

MEDICAL SERVICE

The regular fee paid by students entitles them to medical treatment without charge. The College Physician, whose aim is to maintain health as well as to treat disease, may be consulted in his office on the campus during office hours, and he will regularly visit patients lodged in the infirmaries or confined to their rooms. The Resident Nurse is in charge of the infirmaries, cares for the sick under the direction of the Physician, attends to minor ills and injuries, and lends her aid in maintaining physical health and efficiency among the students of the College.

Each student is given a physical examination on entering college, and is advised as to ways and means of maintaining health and fitness for work.

BUILDINGS AND EQUIPMENT

BUILDINGS

BOMBERGER MEMORIAL HALL, named for the first President of the College, is a large and imposing structure in the Romanesque style of architecture, built of Pennsylvania blue marble. In this building are the auditorium, recitation rooms, laboratories, music studios, day studies, and administration offices. The College is indebted for the building to the generosity of the late Robert Patterson of Philadelphia, a distinguished benefactor of the College, and to gifts from numerous other friends. The CLARK MEMORIAL ORGAN, erected in 1916 as the gift of Mrs. Charles Heber Clark, of Conshohocken, Pa., occupies a position in the front of the chapel in Bomberger Hall. The organ is a memorial to the late Charles Heber Clark, LL.D.

The ALUMNI MEMORIAL LIBRARY is a building of Chestnut Hill stone in Colonial style and planned in accordance with the latest ideas of library administration. The space on the main floor is unbroken, constituting one large hall surrounded with book shelves, and equipped for reading and study. In the wings adjoining are seminar rooms, workrooms, the office of the librarian, a faculty room, and a museum. In the space between the wings in the rear is a fireproof stack room planned for three tiers of stacks, having a capacity of 60,000 volumes. There are large, well-lighted downstairs compartments containing fireproof vaults, workrooms, lavatories, and ample space for storage. This building erected by the Alumni and nongraduate former students is a tribute to their fellows who served their country in the Great War and a memorial to those who gave their lives in the service. On the walls of a beautiful marble vestibule are appropriate inscriptions.

Buildings and Equipment

FREELAND HALL, the original building of Freeland Seminary, DERR HALL and STINE HALL constitute a group of buildings for domestic purposes. The buildings are of stone having a light sand finish four stories in height with a fifth story of dormer rooms. On the two lower floors are the dining rooms, four in number, the kitchen, storage rooms, and the office of the dietitian. The upper floors are fitted up for the residence of men students. The rooms are of varying size, designed for one or two occupants, a number being arranged *en suite*. Ample lavatory, bath and toilet facilities are provided on each floor.

THE BRODBECK DORMITORY and the CURTIS DORMITORY are new buildings for men of exactly the same size and design. They are in English Colonial style and are built of Chestnut Hill stone. Each building has four floors, the downstairs floor being devoted partly to storage. The rooms are spacious, welllighted and easy of access by means of fireproof stairways. These buildings embody the latest and best ideas with reference to student residence. They bear the names of esteemed contemporary benefactors of the College—Andrew R. Brodbeck and Cyrus H. K. Curtis.

THE THOMPSON-GAY GYMNASIUM is a new building occupying a convenient position adjoining Patterson Field. It is built of native brown stone, structural steel and concrete. It contains a playing-floor, two locker rooms, two shower rooms, a gallery for spectators, coaches' offices, storage rooms, a fireproof furnace room, and living quarters for employes. At one end of the main floor is a completely equipped theatrical stage. Portable seating constitutes part of the equipment of the building. The seating capacity when used as a theater is one thousand. This building is a memorial to Robert W. Thompson, '12, and George H. Gay, '13, noted Ursinus athletes, both of whom died in their senior year in College.

THE URSINUS COLLEGE ATHLETIC CLUB is located on the north side of Main Street about a ten minutes' walk west of the campus. This was originally the home of the distinguished Muhlenberg family of Colonial days. The building occupies a commanding site embracing ten acres of grounds. It has been equipped for its present use and provides comfortable accommodations for twenty-five men.

OLEVIAN HALL, a large old-fashioned dwelling on the west campus, is one of the residences for young women. This building has all the appointments of a complete home. The rooms are large, well furnished and comfortable.

SHREINER HALL, fronting on Main Street and facing the college campus, is a residence hall for young 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.

TRINITY COTTAGE is a residence for young women located in Sixth Avenue, having eighteen rooms. This building, with the grounds on which it is located, represents a joint benefaction to the college by Henry M. Housekeeper, 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, a residence hall for women, has a capacity for thirty students.

GLENWOOD, a building located near the historic site of the one-time Pennsylvania Female College, is leased by the College and used as additional residence quarters for young women students.

LYNNEWOOD and FIRCROFT are private residence halls for students located off campus but convenient to the College.

Buildings and Equipment

SPRANKLE HALL, on the east campus fronting Fifth Avenue, is a large residence, three stories in height, with porches and veranda, providing apartments for officers and employes of the institution.

SUPERHOUSE, the attractive residence on Main Street opposite the college grounds bequeathed to the College by the late Henry W. Super, D.D., LL.D., Vice-President and Professor of Mathematics, 1870-1891, and Acting President, 1892-1893, and constituting a fitting memorial of his long and valued services to the institution, is the home of the President.

THE EGER GATEWAY, a beautiful piece of work in Chestnut Hill and Indiana stone masonry and hand-wrought iron, was erected in 1925 by George P. Eger, of Reading, Pennsylvania, father of a member of the graduating class, in appreciation of the work of the College. It constitutes the entrance to the avenue leading to Freeland Hall.

A central heat and water plant furnishes steam heat for the principal buildings, and distributes excellent water from artesian wells to all the buildings on the premises.

LABORATORIES

THE BIOLOGY LABORATORY is on the first floor of Bomberger Memorial Hall, and has a north and west exposure. The room is 30 x 40 feet in size, is well lighted and thoroughly fitted with tables, desks, cabinets, lockers, aquaria, etc. The laboratory equipment consists of modern compound microscopes including a demonstration binocular, dissecting microscopes, camera lucida, microtomes, projection lantern, water baths, incubator, and other apparatus, and such glassware and reagents as are needed in the study of general morphology, histology and cytology of plants and animals. Additional equipment is provided from year to year. Each student is provided with all the instruments, glassware and reagents needed.

A considerable collection of zoölogical and botanical material, including the private collection of the late Professor P. Calvin Mensch, bequeathed to the College, is used for museum and illustration purposes. The recent gift of Henry Croskey Allen, M.D., of Norristown, Pa., adds valuable demonstration material. This consists of a full size human manikin, a complete set of lantern slides on human anatomy, a large number of histological and embryological microscopic slides, and a set of neurological wall-charts.

A special laboratory for anatomy and physiology has been fitted up in one of the downstairs rooms of Bomberger Hall.

THE PHYSICS LABORATORY is on the second floor of Bomberger Hall. Modern improvements have recently been introduced and large additions made to the equipment, so that excellent facilities are provided for experimental work in Physics. The apparatus is of modern design, and has been selected with great care from the best European and American makers.

THE CHEMISTRY LABORATORY occupies the large downstairs compartment of Bomberger Hall. The laboratory is well lighted and is provided with artificial ventilation by means of powerful exhaust fans. It contains all the necessary apparatus for experimental work in general, analytical, organic and physiological chemistry. Each table is furnished with such appliances as are necessary for gas generation and measurement, distillation and the performance of all experiments pertaining to the courses offered. A separate room for gravimetric measurement affords facilities for the most accurate work in quantitative analysis.

THE COLLEGE LIBRARY

The College Library contains about twenty thousand volumes, selected mainly for the purpose of study, reference and thoughtful reading. The Alumni Memorial Library

The Library

Building is open every week-day from 8.15 a. m. to 6 p. m., Sundays 2 to 4 p. m., and on appointed evenings during the week. Each student is permitted to take out two volumes at a time. Special arrangements have been made which enable students to obtain books from Philadelphia libraries.

The reading room is supplied with foreign and American periodicals. The shelves contain several thousand volumes for ready reference, encyclopedias, dictionaries, and other books for particular use. The following newspapers and periodicals appear on the files during the course of the year:

NEWSPAPERS.—The United States Daily, The New York Times, The Public Ledger, The Philadelphia Record, The Allentown Morning Call, The Manchester Guardian, Reformed Church Messenger, Reformed Church Record, Christian World, The Christian Century and the local papers.

PERIODICALS.—The Atlantic Monthly, Scribner's Magazine, The Century Magazine, Harper's Magazine, The Bookman, The World's Work, The Contemporary Review, The Fortnightly Review, The Nineteenth Century and After, The North American Review, The Outlook, The Independent, The Nation, The New Republic, The Survey, The Review of Reviews, Current History, The Forum, The Yale Review, The Hibbert Journal, The Christian Union Quarterly, The International Journal of Ethics, The Journal of Religion, Review of the Churches, The Reformed Church Review, The Missionary Review, The Outlook of Missions, Die Abendschule, Das Deutsche Echo, Asia, The Geographic Magazine, The Scientific American, The Scientific Monthly, Science, Scientia, Forest Leaves, The American Naturalist, The Farm Journal, Political Science Quarterly, Philosophical Review, Mind, The American Journal of Psychology, The Psychological Review, The Psychological Bulletin, The Journal of Philosophy, The Classical Review, Educational Review, School and Society, The

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School Review, School Life, Pennsylvania School Journal, The Journal of the National Educational Association, Mathematics Teacher, Industrial and Engineering Chemistry, Physical Review, The Modern Language Journal, General Physiology, Mental Hygiene, Social Hygiene, The Nation's Health, American Journal of Public Health, Inter-America, Annals of the American Academy, and a number of other periodicals.

LISTS OF STUDENTS

Abbreviations are used to designate residence halls as follows: F. H., Freeland Hall; D. H., Derr Hall; S. H., Stine Hall; A. C., Athletic Club; Sh. H., Shreiner Hall; O. H. Olevian Hall; T. C., Trinity Cottage; Mp., The Maples; G., Glenwood; B. D., Brodbeck Dormitory; C. D., Curtis Dormitory.

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MIRIAM VIRGINIA LUDWIGPottstownSh. H Pottstown High School
HYMEN GORDUNE MALEWITZ Trenton, N. J
MARIE ELIZABETH MARKLEYSellersvilleMp Sellersville High School
ADA DARE MILLERBridgeton, R.DT. C. Bridgeton High School
ANNA CAMPBELL MURRAY
LUETTA MECKLEY NAGLEDenverMp. Denver High School
RICHARD SEYLER NEWCOMERSchnecksvilleF. H. Slatington High School
LOIS ESTHER NICKELNorth WalesMp. Souderton High School
GERALDINE ESTHER OHLTrappe Collegeville High School
GLADYS HILL PARKPhiladelphiaSh. H. West Philadelphia High School
SADIE ALLISON PEASETrappe Beaver College
ABRAM PETERSF. H. Lehighton High School
MIRIAM LUANNA PETERS
AMY ELIZABETH PRESTON
JANET SHADE PRICESh. H. Norristown High School
REBECCA WILLS PRICEO. H. Norristown High School
LOIS ELIZABETH QUIN
EDITH MAY REIBER
J. MARION REICHENBACH
MARGUERITE SARAH REIMERTAllentown

ISABEL MARIE RICKLEY
JOSEPHINE VANBUSKIRK RIDDELLHaddonfield, N. JG. Haddonfield High School
CLARA PAXSON RILEY
FLORENCE ELIZABETH ROBERTSUpper DarbyG. Haverford High School
FRANCES MARGARET ROBERTSLlanerchMp. West Philadelphia High School
GEORGE RALPH ROSENB. D. Reading High School
GERTRUDE SARA ROTHENBERGERLime KilnFircroft Oley High School
KATHRYN ELIZABETH SAMPSONBangorCollegeville Bangor High School
MARY LENHART SARTORIUSReadingSh. H. Reading High School
STELLA KAZU SATOAlvarado, CalifLynnewood Lowell High School
FRANCES WARNER SCHNEIDERPhiladelphiaO. H. Germantown High School
MARY AGUSTA SMITH
RUTH ELIZABETH SOLTSlatingtonSh. H. Slatington High School
DOROTHEA ELIZABETH STERRETTWest ReadingLynnewood Reading High School for Girls
MILDRED THERESA STIBITZDayton, OhioT. C. Moraine Park School
Емма Margaret StockerFlicksvilleSh. H. Bangor High School
JEANETTE MARION STRAUSS
BARBARA MARY TAYLOR
MARY ELIZABETH TAYLORPhiladelphiaMp. West Philadelphia High School
PAULINE THOMPSON
EMMA POWELL TOWERCollegevilleCollegeville Collegeville High School
MARJORIE MILLIE TRAYES
ELEANOR CARSON USINGERPitman, N. JCollegeville Pitman High School

RUTH ADELE VONSTEUBEN	Mp.
JESSIE WEAVER	. Schwenksville
MARY MARGARET WEISS	G.
HAROLD LUTHER WIANDParkerford Spring City High School	D. H.
ELAM GERHART WIESTDenverDenver	S. H.
GRACE WILLIAMSLansdale	Collegeville
MERLE LESLIE WILLIAMSONAllentown	Mp.
ALMA ROBERTA WILSON	G.
ELIZABETH STEWART WILSONNorristown	Collegeville
MARTHA HARRIETT YAGLE	G.
ELIZABETH MARIE YAHRAESEastonEaston	Fircroft
SARA JANE YEAKELPerkasiePerkasie	T. C.
ELIZABETH JOSEPHINE YEATESYork York High School	Superhouse
IRENE MAE ZIMMERMAN	G.

THE MODERN LANGUAGES GROUP

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PAULINE TORWELL BREISCH
EVELYN MAE BROWNTrappe Allentown High School
EDNA JEANETTE COLES
HELEN ELIZABETH DEALYPhiladelphiaG. Philadelphia Normal School
AURELIA ADELAIDE ENGLISH
MELEA ELIZABETH FARNSLERHarrisburgT. C. Central High School
SARAH BICKEL FAUST

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SARAH MILDRED FREED
ANNA DOROTHY FUNKPhoenixvillePhoenixville Phoenixville High School
MARY GERTRUDE GARRETT
RUTH GERTRUDE GossPhiladelphiaSh. H. Germantown High School
HELEN JEANETTE GREENChesterCollegeville Chester High School
BERNICE ELAINE GREENIGDoylestownT. C. Doylestown High School
ELLA SUSAN HAINES
ARLETTA MAE HETLERMescopeckMp. Nescopeck High School
ALICE FRANCES HODGESO. H. Slatington High School
AUGUST JOHN HORN
IDA VANNATTA JAGGARDPitman, N. JCollegeville Pitman High School
GRACE ELIZABETH KENDIG
HARRIET FREDRICA KOHLERRichlandtownSh. H. Quakertown High School
MARIE ELIZABETH KREBS
GERTRUDE EMMA LAWTONEastonCollegeville Chester High School
EDNA REINFORD MENG Schwenksville Schwenksville Schwenksville High School
CAROLYN EMMA OZIASSouth VinelandMp. Vineland High School
HELEN EVELYN RYLAND
DOROTHY ELMIRA SANDERSONPhiladelphiaFircroft West Philadelphia High School
KATHERINE LOUISE SANDERSONPhiladelphiaFircroft West Philadelphia High School
RHEA SNYDER SELL
ETHEL AMANDA SHELLENBERGERLansdaleSh. H. Lansdale High School
FLORENCE LEONA SHOOP

ELVIRA HANSELL SHUPERT Conshohocken High School	.ConshohockenG.
EVA MARGARET SMITH Sellersville High School	.SellersvilleSh. H.
MARION RUTH SMITH Pennsburg High School	.PennsburgPennsburg
ETHEL MAY STRAUSS Reading High School	.ReadingG.
MARGARET LOUISE STREVIG York High School	.YorkFircroft
VIOLA BESSIE SWEIGART Mohnton High School	.Sinking Spring, R.DSh. H.
ANNA BARBARA THOMAS Slatington High School	.SlatingtonSh. H.
KATHARINE BISBEE TOWER Collegeville High School	. Collegeville Collegeville
Rosa Anna Trout Royersford High School	.RoyersfordRoyersford
MURIEL WAYMAN Trenton High School	. Trenton, N. J
IGNATIUS M. WEIRINGER Brown Preparatory School	.PhiladelphiaB. H.
LARUE CAROLYN WERTMAN Palmerton High School	.PalmertonMp.
MARION E. WILSON Coatesville High School	.CoatesvilleSh. H.
HELEN WISMER Collegeville High School	.CollegevilleCollegeville

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Joseph Anthony Armento Harrisburg Technical High S	.HarrisburgB. D. chool
JOHN RUSSELL BENNER Souderton High School	.SoudertonC. D.
WILLIAM ANDREW BENNER Souderton High School	.SoudertonA. C.
HARRY ALAN BIGLEY Doylestown High School	.DoylestownA. C.
MILES RHEA BOWER Royersford High School	.Royersford, R.DRoyersford
WILLIAM EARL BRACKEN West Chester State Normal Sc	.South ForkA. C. hool
THERON JACKSON CALKIN Princeton High School	.Princeton, N. JB. D.

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LANE KEMMERER CARLB. D. Perkiomen School
Norman Lyle Cook
JAMES EDWIN CRYSTLEChester, R.DC. D. Chester High School
FOSTER LEROY DENNIS
JAMES WATT DONALDSON
BLAIR WALTER EGGEFrackvilleC. D. York High School
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MARY RACHEL EVANS
JOEL BROWN FRANCISCollegevilleCollegeville Collegeville High School
WARREN YERGER FRANCISCollegevilleCollegeville Collegeville High School
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DAVID MOODY HARRISON
ALBERT CHARLES HELLWIG
DANIEL DAVID HESSFreelandF. H. Freeland High School
MARION COLVIN HUTCHINSONPhiladelphiaLynnewood West Philadelphia High School
MERRITT JAMES JEFFERS
REYNOLDS JOLL
CLEMENT WEAVER KELLY
THEODORE CLARK LACLAIR
JOHN RUSSELL LESHERCedarsCedars Norristown High School
WILLIAM GEORGE MCGARVEYPhiladelphiaA. C. Germantown High School
HARDING ETHELBERT MCKEEAllentownC. D. Allentown High School
JOHN JACOB MANSURE

CHARLES DAVID MATTERN
WILLIAM CARLYLE MEADEBridgeport, ConnB. D. Bridgeport High School
ROBERT WILLIAM MECKLY
CHARLES OUGHTRED METCALFLisbon, R.D., N. HA. C. Goodard Seminary, Barre, Vt.
ROBERT CLAMER MILLERCollegevilleCollegeville Collegeville High School
GORDON BYRUM MINK
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SHERWOOD DUBRELLE PETERSSlatingtonB. D. Slatington High School
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SHEPHERD LUTHER WITMANDouglassvillePottstown High School	s.	H.
ARTHUR HENRY YOUNG	A.	C.

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Pursuing College Courses in Music
RAYE HIESTAND ASH Parker Ford Fircroft
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Howard T. M. Houser
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RUTH MARKLEY LANDES
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ADA DARE MILLER
FLOYD DARE MULFORDD. H.
GERALDINE ESTHER OHLTrappeTrappe
GLADYS HILL PARK
MIRIAM LUANNA PETERS
SHERWOOD DUBRELLA PETERS
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NELLIE OLIVE SARGEANTMartins CreekMp.
FRANCES WARNER SCHNEIDER Philadelphia
Емма Margaret StockerFlicksvilleSh. H.
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BARBARA MARY TAYLOR
MARVIN RICHARD THOMASB. D.
D. OSCAR TRAUGERBedminsterB. D.
PARMLEY WILLIAM URCHG. H.
MURIEL WAYMANTrenton, N. JT. C.
ROBERT GRIMACY WELLER
MARTHA HARRIETT YAGLE
IRENE MAE ZIMMERMANG.
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CHARLES	Edward	BAUM	.Herndo	n	 	S. H.
DOROTHY	ELIZABET	TH BERGER	.Norrist	own.	 	Mp.

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FRANK G. BUCKLEY, JR
GLADYS LAIN BURRSh. H.
MARY MEDA CONETY
FREDERICK MEREDITH CORNELIUSBayville, N. J
ELEANOR ELIZABETH CORNWELL Yorktown Heights, N. YG.
HELEN ZIMMERMAN DETWILER Norristown
MARGARET R. EHLY Norristown
SARAH MILDRED FREED
EDWARD FRETZCollegevilleCollegeville
EMILY ISABEL HOUCK
MARGARET ALLEGRA JOHNSON Upper Darby
DOROTHY MAY KLINGAMAN
HENRY LUKE KOCHENBERGER
DENTON HENRY KRIEBEL
VIRGINIA GERTRUDE KRESSLER Easton
RUTH MARKLEY LANDESYerkesYerkes
AGNES CHARLOTTE LORENZLinwoodT. C.
ADA DARE MILLERT. C.
GERALDINE ESTHER OHLTrappeTrappe
STANLEY OMWAKESuperhouse
GLADYS HILL PARKPhiladelphiaSh. H.
SHERWOOD DUBRELLE PETERSB. D.
HORACE LEROY POLEYLimerickLimerick
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FRANCES WARNER SCHNEIDERPhiladelphiaO. H.
RHEA SNYDER SELLG.
GEORGE WILLIAM SMITH
EMMA MARGARET STOCKER
ALBERT STOLER THOMPSOND. H.
ROSA ANNA TROUTRoyersfordRoyersford
RUTH ADELE VONSTEUBENAllentownMp.
MURIEL WAYMAN
ROBERT GRIMACY WELLER
CHARLES EDWARD WILKINSON, JR Philadelphia
JOHN FAULKNER WILKINSON
WIARTHA TIARRIETT YAGLE

DIRECTORY OF STUDENTS

The italic letters set opposite the name indicate the group or department to which the student belongs: *Cl.*, Classics group; *M.*, Mathematics group; *C-B.*, Chemistry-Biology group; *H-S.*, History-Social Science group; *E.*, English group; *M-L.*, Modern Languages group; *B. A.*, Business Administration group; *Mu.*, Music Department; *Pre-Med.*, Pre-Medical Student.

The final letter A indicates that the student is a candidate for the degree of Bachelor of Arts; the final letter S indicates that the student is a candidate for the degree of Bachelor of Science.

FOURTH YEAR	Krasley, P. S., H-S	S
Anderson, J. E., <i>C-B</i>	Lackman, A. L., C-B	s
Armento, J. A., B. A	LaClair, T. C., B. A	s
Baker, P. D., C-BS	Layman, H. E., E	ł
Barron, H. W., C-B., Pre-MedS	Lorenz, A. C., <i>H-S</i>	Ł
Bauman, S. W., MA	Loux, A. L., <i>H-S</i>	ł
Beck, H. E., ClA	Lucas, H. M., E	1
Berger, D. E., <i>E-H</i> A	Ludwig, F. U., ClA	1
Berger, M. C., E-HA	Ludwig, M. V., EA	1
Bigley, H. A., B. A	May, C. A., M	3
Burr, G. L., <i>E</i>	Mayer, R., Cl A	1
Clayton, J. W., H-SS	Meckstroth, H. F., C-BS	;
Cornelius, F. M., C-B., Pre-MedS	Moyer, R. E., MA	
Cornwell, E. E., <i>E</i>	Moyer, W. M., M	
Engel, R. R., <i>E</i>	Mulford, F. D., B. A., MuS	
Engle, C. H., C-B., Pre-MedS	Nickel, L. E., <i>E</i> A	
English, A. A., M-LA	Ohl, A. R., <i>H-S</i> A	
Farnsler, M. E., M-LA	Ozias, M. H., MS	
Faust, A. C., <i>Cl</i> S	Park, G. H., E., MuS	
Felton, P. E., <i>H-S</i> A	Peterson, H. A., H-SA	
Fetters, A. E., <i>M</i> S	Richards, A. M., ClA	
Fitzkee, C. W., <i>E</i> S	Rothenberger, G. S., EA	
Francis, J. B., B. AA	Sartorius, M. L., EA	
Frank, R. C., ClA	Schell, R. I., <i>M</i> S	
Fritsch, A. M., MA	Schmuck, W. H. M., <i>C-B</i> S	
Fritsch, H. C., Jr., MS	Schreiner, H. M., C-B., Pre-MedA	
Gulick, C. E. J., MA	Solt, R. E., <i>E</i> A	
Hamm, E. C., <i>Cl</i> A	Spangler, H. K., C-BA	
Harter, E. R., EA	Stibitz, M. T., <i>E</i> A	
Helffrich, R. H., EA	Stoneback, J. L., M	
Hoagey, L. A., M	String, C. E., <i>Cl</i> A	
Hoffer, S. B., <i>M</i> ,	Thompson, K. A., <i>H-S</i> S	
Kassab, M., EA	Tomlinson, E. S., MA	
Koons, G. H., ClA	Tower, E. P., <i>E</i> A	

SSSS

VonSteuben, R. A., E.	
Waltman, V. L., M.	
Weiss, R. H., C-B.	
Weller, R. G., Cl., My	
Wertman, L. C. M-I	
Wiand, H. L. F	
Witman S I D 4	
Struman, S. L., B. A.	

THIRD YEAR

Ackerman, I. M., E.	9
Barr, M. E., Cl	
Beltz, W. F., H-S	Δ
Benner, W. A., B. A.	Л с
Bowler, J. U., M.	0
Bracken, W. E., B. A.	A
Brown, J. H., C-B.	0
Buchert, W. I., C-B.	. A
Burns, J. E. P., C-B. Pre-Med	. A
Carl, L. K., B. A.	· · · ·
Carter, A. R., E.	
Cobb, M. B., E	
Cook, N. L., B. A.	.A
Dealy, H. E., M-L.	. A
Dillinger, G. E., C-B.	0
Elgin, E. S., B. A	A
Ellis, I. J., E	5
Featherer, A. R., H-S.	.o
Fehr, B. E., M	. O
Ferguson, W. C., H-S	S
Fox, R. M., C-B	S
Franke, C. E., Cl	.S
Godshall, H. E., C-B	S
Greager, E. T., E	A
Grim, M. L., E	A
Harrison, D. M., B. A	. S
Hartman, J. S., H-S	A
Helffrich, R. G., H-S	.s
Hilles, M. E., E	. S
Hupple, P. L., Jr., C - B	.s
Houck, E. I., M	A
Howell, E. H., E ., Mu	A
Jeners, M. J., B. A	S

Johnson, R. E. L., Cl.
Joll, R., B. A.
Kauffman, W. L. H-S
Keller, C. E., H-S
Kohler, J. M. E
Kressler, V. G. H-S. M.
Landes, R. M. M. M.
Leinbach, I. S., C-R
Littlefield, H. Z. F
Lucia, N., C-B., Pre-Med
Lytle, H. M., Cl.
McKee, H. E., B. A
Markley, M. E., F.
Mink, G. B., B. A
Newcomer, R. S., E.
Newhard, R. W., B. A.
Oberlin, M. H., M.
Poff, J. C., B. A A
Poley, H. L., B. A
Reber, H. J., Cl.
Riddell, J. V. B., E
Robbins, W. R., M
Roth, E. J., <i>H-S</i>
Roth, R. C., <i>C-B</i>
Rothermel, J. K., C-B., Pre-MedS
Rule, M. G., MA
Saalman, W. G., Jr., ClA
Sargeant, N. O., M., MuS
Sato, S. K., ES
Scheirer, W. B., M
Schink, H. P., <i>C-B</i> S
Schmoyer, P. E., ClA
Seitz, D. E., MA
Shupert E. H. M.
Smith P F μ c
Snyder C B C P
pangler, W A R A
teele, P. V. R. C -R
tocker, E. M., E., Mu
trauss, J. M., E.
wanger, T. L., B. A.

Sweigart, V. B., M-LA
Thompson, P., E-HA
Trayes, M. M., E-HA
Urch, P. W., E. & B. A., MuS
Weiss, M. M., E-HA
Wilson, A. R., E-HA
Wilson, E. S., <i>E-H</i> A
Wismer, H., M-LA

SECOND YEAR

Alden, H. H., MA
Ash, R. H., E-H., MuA
Balch, A. J., C-BS
Barnes, G. M., Cl A
Barnes, J. M., E-HA
Beck, D. S., E-J
Beck, L. B., ClA
Benjamin, F. O., E-HA
Berkenstock, P. F., ClA
Biondo, I., C-BS
Black, K. S., C-BS
Bortz, N. M., <i>H-P</i> S
Bower, M. R., E. & B. A
Boyer, R. L., <i>M</i>
Breisch, P. T., M-LS
Brookes, J. W., C-BA
Brown, E. M., M-LA
Buckley, F. G., Jr., ClS
Burns, W. F., Jr., C-B., Pre-MedS
Calkin, T. J., E. & B. A
Carr, J. S., C-B., Pre-MedS
Cassel, A. E., <i>E</i> - <i>H</i> A
Citta, J. A., <i>H-P</i> S
Coles, E. J., M-LA
Cook, E. M., <i>C-B</i> A
Crystle, J. E., E. & B. A
Davies, L. V. L., M
Denney, W. H., Jr., ClA
Detwiler, H. Z., E - H ., Mu S
Donaldson, J. W., E. & B. AS
Engle, G. W., <i>Cl</i>
English, J. P., ClA

Eppehimer, R. E., ClA
Ergood, C. E. Jr., C-BA
Faust, S. B., M-L
Francis, W. Y., B. AA
Freund, C. E., B. A
Fritz, I. T., C-BA
Fry, G. R., <i>H-S</i>
Garrett, E., H-SA
Gavin, A., Jr., H-SS
Goss, R. H., M-LS
Greenig, B. E., M-LA
Haines, E. S., M-LA
Hess, D. D., B. A
Hodges, A. F., M-LA
Houtz, H. E., <i>H-S</i>
Jackson, H. L., M
Johnson, M. A., C-BA
Kellow, R., <i>C-B</i>
Klein, B. M., <i>E., Mu</i> A
Kochenderfer, T. T., C-BS
Krauss, G., MS
Krebs, M. E., <i>M</i> -LS
Krick, R. M., <i>M</i> S
Kuntz, D. W., <i>E</i> S
Kurtz, S. W., <i>C-B</i> S
Lake, E. V., EA
Larson, E. D., <i>H-S</i> A
Lefever, P. F., ClA
Lesher, J. R., <i>B. A</i>
MacNamee, C. J., <i>M</i> A
McGarvey, S. M., C - B ., Mu S
McGarvey, W. G., <i>B. A</i>
Mansure, J. J., <i>B. A</i> S
Martin, H. F., <i>H-S</i> S
Mattern, C. D., B. A
Mattis, P. A., C-B
Metalf C O B 4
$Miller A D F M_{ii} A$
Miller A O C -R S
Mirza, I. P. C-B.
Missimer, I. K., M.

Γower, K. B., <i>M</i> - <i>L</i> Α	
Γrout, R. A., <i>M</i> - <i>L</i> Α	
Wanner, D. W., <i>H-S</i> S	
Watson, E. T., B. A	
Wayman, M., M-L., MuS	
Weaver, J., EA	
Weidensaul, T. B., B. A	
Werner, A. H., <i>H-S</i> S	
Wetzel, E. Z., ClA	
Wiest, E. G., <i>E</i> A	
Wilkinson, J. F., B. AA	
Willauer, P., H-SA	
Williams, W. H. A., ClA	
Wilt, J. M., <i>M</i> A	
Witman, C. E., <i>M</i>	
Witmer, J. M., <i>Cl</i>	
Yagle, M. H., E., MuA	
Yahraes, E. M., EA	
Yeates, E. J., <i>E</i> A	
Yost, C. D., Jr., <i>Cl</i> A	
Young, A. H., <i>B. A</i> S	
Zimmerman, I. M., E., MuA	

FIRST YEAR

Albrecht, E. A., <i>E</i>
Alexander, K. N., Cl
Allen, G. H., B. A
Anders, M. G., EA
Baer, B. J., EA III
Bateman, R. L., C-B
Baum, C. E., <i>H-S</i> A
Baver, E. F., H-S
Benner, J. R., B. A
Berger, J. O., M-LA
Brant, E. R., E
Brussell, J. A., C-BA
Buchanan, R. M. L., C-B., Pre-Med S
Campiglio, R. F., C-B
Carpenter, R. C., Cl A
Clarke C. A., E
Clark, G. A., H-S
Coble, R. G., M

11 Conety, M. M., EA	Hetler, A. M., M-LA	37
101 Connor, A. M., Cl., MuA	Hirt, R. J., C-BS	D.
111 Conover, A. D., E	Hoover, F. J., E	
111 Conover, F. S., C-B	Horn, A. J., M-L	
Coombs, E. F., M	Houser, H. T. M., E. MuA	
Deininger, R. I., M	Hunsicker, H. M., H-SA	
Dennis, F. L., B-A., Mu	Hunter, R. E., <i>H-S</i>	
DiDonato, I. M., E.,	Hunter, M. R., Cl.	
Dillin, M. H., C-B.	Hutchinson, M. C., B-A., Mu, S.	
Dotterer, C. S., Ir., C-B.	Ilko, I. L., C-B., Pre-Med.	
Drysdale, H. B., H-S. S	Lacobs, A. F. E. S.	
Dughi, F. L., H-S. A	Jaggard I V. M-L.	
Dulaney D. W C-B S	Juggard, I. V., M D	
Dykie L $C-B$ S	Kawakami H M C-R S	
Egge B W R-A S	Kelly C W R-A S	
Evans M. R. <i>B-A</i> A	Kendig G E $M-L$ S	
Felton C C M S	Kenlinger C M C-B S	
Fertig I. W. M A	Kerner H G C-B	
Fertig V V E A	Klingaman D M C-B A	
Fisher M. W. $H-S$ S	Kochenberger H. L. C-B.	
Ul Fissel, M. E., E., A	Kohler, H. F. <i>M-L</i>	
Flickinger, W. E., Cl. A	Kohn M. A. C-B.	
Fox. I. E., <i>Cl</i>	Krall, E. H., <i>H-S</i>	
Freed. S. M., M -L	Krapf, O. H., E	
$($ Funk, A. D., <i>M</i> - <i>L</i> ., <i>M</i> μ ,, A	Kratz, N. W., <i>M</i>	
Garrett, M. G., M-L. A	Krauss, W. K., E	
Gerhard D. L. Cl. A	Kriebel, D. H., <i>H-S.</i> , <i>Mu</i> ,	
Gluck, T. R., C-B., Pre-Med.	Kuebler, M. E., <i>H-S</i>	
Godshalk, P. E., <i>C-B</i> S	Kuntz, W. I., <i>C-B</i>	1
(1) Grander, E. M., E	Lamon, G., ESW	
Green, H. J., M-L., MuA	Latshaw, J. L., ClA	
Greer, M. A., C-B., Pre-MedS	LaWall, R. E., EApp	
Guydish, V. G., EA	Lawton, G. E., M-LA	
Haas, C. A., <i>C-B</i>	Lentz, J. B., E	
\((\ Hafer, J. G., C-BA	McBath, G. R., C-B	P
Hull Hahn, M. B., ClA	Malewitz, H. G., EA	
Hansell, H. D., ES	Maurer, H. A., H-S	1
Harman, A. M., EA	Meade, W. C., <i>B. A</i>	
Harris, J. N., H-SS	Meckly, R. W., B. A	
10 Heinly, E. G., EA	Miller, R. C., B. A	1
Hellwig, A. C., B-AS	Miller, R. W., C-BA	
Hess, W. K., H-S.,	Milner, I. L., C-B.	1

11	Moore, E. A., <i>C-B</i>	S
	Moore, T. R., H-S	S
	Muldrew, D. E., B. A.	A
	Myers, A. L., C-B.	S
	Nace, D. H., Cl	Δ
	Omwake, S., B. A.	c
	Ozias, C. E., M-L.	c
1	Peters, A., E.	0
1	Pierson, E. B., M.	Δ
	Price, R. W., E	1
111	Quin, L. E., E	1
	Reiber, E. M., E.	1
	Reimert, M. S., E.	1
1	Rivenburg, M. N., C-B.	2
	Roberts, F. E., E.	5
	Roberts, F. M., E.	
	Roeder, L. E., M.	S
	Rosen, G. R., E	
*	Rosen, P., H-S	-
11	Royer, H. K., C-B	2
	Ryland, H. E., M-L.	2
1	Sampson, K. E., E	
	Sanderson, D. E., M-L A	
	Sando, J. H., Cl	
11/1	Sassi, D., M	
	Satterthwait, T. C., Jr., B. A	
	Schlegel, J. M., C-BS	
	Schneider, F. N., E., MuS	
	Schuyler, G. A., H-SS	

Sell, R. S., M - L	A 1111
Shaw, J. C., C-B	A
Shrawder, R. E., M.	A
Shuman, J. A., C-B.	A
Smith, R. B., Cl.	
Stephenson, D. H. C-R Pro Mad	
Sterner, J. D., H-S.	A mil
Sterrett, D. E., E.	A
Stouffer, W. D., B. A	· · A I
Strauss, E. M., M-L	5 [Mar
Strevig, M. L., M-L.	A
Styer, M. J., M., My	C III
Taylor, B. M., E., Mu	
Taylor, M. E., E.	And
Thomas, M. R., H-S My	.A
Thompson, A. S. Cl	
$\Gamma rauger, D. O. M M_{*}$	A
Usinger, E. C. F.	
Weber, I. M M	.A 1
Weiringer I M MI	. A
Wilkinson C F Ir H C	.5 11
Villiams G E	. A 1
Villiamson M I	. A 11V
Vilson M E M I	A 1111
Wilt P A H C	. S with
Vislocky V M C D D	A
Visiocky, V. M., C-B., Pre-Med	. S 11
Perkel S T E	. S 1/1
cakel, S. J., E	. S 1 14

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GENERAL SUMMARY, 1927-28

STUDENTS IN THE COLLEGE

The Classics Group 47
The Mathematics Group 51
The Chemistry-Biology Group
The History-Social Science Group 58
The English Group 110
The Modern Languages Group 45
The Business Administration Group 58
454
Students in Music
530
Deduct for Names Repeated 74
Total

PRIZES, HONORS AND DEGREES

Awarded in 1926-1927

PRIZES

JUNIOR ORATORICAL PRIZES FOR MEN-Shepherd L. Witman, Harold L. Wiand.

JUNIOR ORATORICAL PRIZES FOR WOMEN-Lois E. Nickel, Rebecca R. Engel.

HAVILAH MCCURDY-BENNETT ESSAY PRIZE-Sarah B. Hoffer.

PHILIP H. FOGEL PRIZE IN THE ENGLISH BIBLE-Cora E. J. Gulick.

E. L. WAILES PRIZE IN THE ENGLISH BIBLE-Evelyn M. Brown.

THE PRESIDENT'S AWARD-Thomas John Clark

OPEN SCHOLARSHIPS:

George A. Clark, Cape May Court House, N. J. Blair W. Egge, Frackville, Pa. Warren K. Hess, Reading, Pa. August J. Horn, Pen Argyl, Pa. Harry E. Houtz, Hadley, Pa.

HONORS

DEPARTMENT HONORS

CHEMISTRY-Morton Joseph Oppenheimer.

ENGLISH-Evelyn Arlene Lesser.

FRENCH-Mary M. Garber, Grace I. Kauffman, Helen Elizabeth Ort.

HISTORY-Ruth E. Eppehimer, C. Grove Haines, Isabel May Johnson, John Rankin Moore, Lillian Brooke Moser.

LATIN-Barbara C. Boston, Dorothy May Gross, Arlene Tawilla Kresge, Marian Louise Werner.

MATHEMATICS-George Faust Erb, Bertha Carolene Weaver.

Psychology-Naomi Lucretia Brong.

COMMENCEMENT PARTS

VALEDICTORY ORATION—Stanley Mohr Moyer. SALUTATORY ORATION—Bertha Carolene Weaver.

DEGREES

DOCTOR OF LAWS (Honorary)-Wallace Groves, Chevalier Jackson.

- DOCTOR OF DIVINITY (Honorary)—Eugene L. McLean, Arthur Clarence Thompson.
- DOCTOR OF SCIENCE (Honorary)—James M. Anders, John Raymond Murlin,* Levi Jay Hammond.*
- BACHELOR OF ARTS, Magna Cum Laude-Stanley Mohr Moyer, Bertha Carolene Weaver.
- BACHELOR OF ARTS, *Cum Laude*—Ruth E. Eppehimer, Mary Missimer Garber, Dorothy May Gross, Charles Grove Haines, Grace Irene Kauffman, Helen Elizabeth Ort.
- BACHELOR OF ARTS—Clair Eugene Blum, Barbara Caroline Boston, Naomi Lucretia Brong, Earl Haines Burgard, Miriam F. Ehret Cleggit, Earl Gardner, George Henry Haines, Mary Adelaide Hathaway, Merle Anne Jenkins, Isabel May Johnson, Willard Arthur Kratz, Arlene Tawilla Kresge, Ruth Keturah Kuder, Bernice Leo, Evelyn Arlene Lesser, Gerald D. Levengood, Oliver William Nace, Morton J. Oppenheimer, Kathryn Grace Reimert, Samuel Abner Reimert, Elizabeth Justice Smith, Mary Elizabeth Stichler, Mary Watkin Snell, Adeline Louise Thomas, Marian Louise Werner, Ruth Bitzer Winger, Esther Mae Youndt.
- BACHELOR OF SCIENCE—Russell Thompson Boice, William M. D. Bryant, Thomas John Clark, William Clare Denny, Hope Constance Dietrich, Lloyd Raymond Enoch, George Faust Erb, John Good Evans, Abel Kenneth Fink, Rudolph Karl Glocker, Robert M. Henkels, Owen Roberts Jones, George Walton Koch, Elizabeth Mildred Miller, John Rankin Moore, Lillian Brooke Moser, Roscoe Alvin Peters, Oliver Eugene Roush, Harvey Cleveland Sabold, Earl Albert Skinner, Ralph Nesbit Straley, Frank Emerick Strine, Jasper Leroy Swinehart, Kathryn Mary White, Paul Philip Wisler.

^{*}Conferred on Founders' Day, February 16, 1928.

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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.

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