

# Lebanon Valley College

## CATALOGUE

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APRIL—1908

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1907—1908

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College Founded, A. D., 1866



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# LEBANON VALLEY COLLEGE

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## FORTY-SECOND ANNUAL CATALOGUE

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ANNVILLE, PA., 1908

PRESS OF  
JOURNAL PUBLISHING COMPANY,  
ANNVILLE, PA.  
1908.

**CALENDAR.****1907-1908.**

1907.

September 11, *Wednesday*, College year began.December 21, *Saturday*, Christmas vacation began.

1908.

January 2, *Thursday*, Christmas vacation ended.January 24, *Friday*, First semester ended.January 27, *Monday*, Second semester began.April 10, *Friday*, Anniversary of Kalozetean Literary Society.

April 17-21, inclusive, Easter recess.

May 1, *Friday*, Anniversary of Philokosmian Literary Society.

May 20-22, Senior final examinations.

May 25-29, Final examinations.

May 30, *Saturday*, Memorial Day—holiday.May 31, *Sunday*, 10:30 a. m., Baccalaureate sermon.

7:30 p. m., Address before the Christian Associations.

June 1, *Monday*, 2:00 p. m., Meeting of Board of Trustees.

7:45 p. m., Exercises by the Graduating Class in Music.

June 2, *Tuesday*, 7:45 p. m., Junior Oratorical Contest.June 3, *Wednesday*, 10: a. m., Forty-second Annual Commencement.

12:00 m., Alumni Banquet and Re-union.

**1908-1909.**

1908.

September 14 and 15, Examination and registration of students.

September 16, *Wednesday*, College year begins.November 26, *Thursday*, Anniversary of Clionian Literary Society.

November 26 and 27, Thanksgiving Recess.

December 23, *Wednesday*, Fall term ends.

1909.

January 6, *Wednesday*, Winter term begins.January 25, *Monday*, Mid-year examinations begin.January 28, *Thursday*, Day of Prayer for Colleges.January 29, *Friday*, First Semester ends.February 1, *Monday*, Second Semester begins.February 7, *Sunday*, Day of Prayer for students.February 22, *Monday*, Washington's Birthday—holiday.March 26, *Friday*, Winter term ends.March 30, *Tuesday*, Spring term begins.June 9, *Wednesday*, Forty-third Annual Commencement.

## THE CORPORATION

### BOARD OF TRUSTEES

PRESIDENT LAWRENCE KEISTER, and FACULTY, *Ex-Officio*.

NAME	RESIDENCE	TERM EXPIRES
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REV. JOHN W. OWEN, A.M.,	Baltimore, Md.	1908
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REV. G. K. HARTMAN, A.B.,	Hagerstown, Md.	1910
REV. A. B. STATTON, A.M.,	Hagerstown, Md.	1910
W. O. APPENZELLAR, ESQ.,	Chambersburg	1910

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REV. J. A. LYTTER, D.D.	Harrisburg	1910
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JONAS G. STEHMAN, ESQ.,	Mountville	1010
REV. D. D. LOWERY, D.D.	Harrisburg	1910
SAMUEL F. ENGLE, ESQ.,	Palmyra	1909
GEORGE F. BREINIG, ESQ.,	Allentown	1910
D. AUGUSTUS PETERS, ESQ.,	Steelton	1909
M. S. HENDRICKS, ESQ.,	Shamokin	1909

#### Representatives from the Virginia Conference

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REV. J. N. FRIES, A.M.,	Berkeley Springs, Va.	1908
J. N. GARBER, ESQ.,	Harrisonburg, Va.	1908
REV. G. W. STOVER,	Staunton, Va.	1908
REV. S. R. LUDWIG,	Keyser, W. Va.	1909
REV. A. S. HAMMACK.	Harrisonburg, Va.	1909

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ALUMNAL TRUSTEES—PROF. H. H. BAISH, A. M., '01, Altoona.  
 REV. R. R. BUTTERWICK, A. M., '01, Schuylkill Haven;  
 REV. E. O. BURTNER, B.S., '90, Mt. Joy.

\*Deceased

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**THE FACULTY AND OFFICERS.**

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REV. LAWRENCE KEISTER, S.T.B., D.D.,  
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*Professor of Mathematics and Astronomy (1887)*

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*Professor of Greek Language and Literature (1897)*

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*Director of the Department of Music, and Professor of  
Piano and Organ (1898)*

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*Professor of History and Political Science (1900)*

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*Professor of the Biological Sciences (1903)*

HARRY EDGAR SPESSARD, A. M.  
*Principal of the Academy (1904)*

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*Professor of Latin and French (1906)*

ANDREW BENDER, A.B.  
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*Professor of English (1907)*

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*Professor of Sociology. (1907)*

FLORENCE A. ROACH  
*Professor of Voice Culture (1906)*

**THE FACULTY AND OFFICERS** *Continued*

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RUTH E. RIGLER, B.I.,  
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*Instructor in Civil Government.*

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DAVID W. MCGILL,  
PIERCE E. SWOPE,  
*Instructors in Normal Department.*

REV. W. J. ZUCK, D.D.,  
*College Pastor.*



## HISTORY OF THE COLLEGE.

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Lebanon Valley College originated in the action of East Pennsylvania Conference at its annual session held at Lebanon in March, 1865. Resolutions were passed deciding the question of establishing a higher institution of learning to be located within the bounds of the East Pennsylvania or of the Pennsylvania Conference. One year later the committee appointed recommended in its report: first, the establishment of a school of high grade under the supervision of the church; second, to accept for this purpose the grounds and buildings of what was then known as the Annville Academy, tendered as a gift to the Conference; and third to lease the buildings and grounds to a responsible party competent to take charge of the school for the coming year. School opened May 7, 1866 with forty-nine students. By the close of the collegiate year one hundred and fifty-three were enrolled, thus demonstrating at once the need of such an institution in this locality and the wisdom of the founders.

In April, 1867 the Legislature granted a charter with full university privileges under which a College faculty was organized with Rev. Thomas Rees Vickroy, Ph.D., as president and Prof. E. Benjamin Bierman as principal of the Normal Department. In this same year the Philokosmian Literary Society was organized by the young men, eleven acres of additional land were purchased and a large brick building erected thereon with chapel, recitation rooms, president's office and apartments for sixty boarding students. The building was not furnished and fully occupied till the fall of 1868.

The first regular commencement occurred June 16, 1870, when the first three graduates, William B. Bodenhorn, Albert C. Rigler and Mary A. Weiss received their diplomas.

About two years later opposition to the school manifested itself and President Vickroy stated in his report to the annual Conference that the attendance of students was reduced from one hundred to seventy-five, and the cause of this diminution was persistent opposition on the part of certain brethren.

President Vickroy directed the affairs of the institution for five years from 1866 to 1871. During his administration the charter was prepared and granted by the State Legislature, the laws and regulations for the internal workings framed and adopted, the curriculum established and two classes—those of 1870 and 1871—were graduated. In June, 1871, Prof. Lucian H. Hammond was elected president. During his term of office five classes were graduated, the Clonian Literary Society organized by the ladies, and the College made steady

and substantial progress, but failing health compelled him to resign in June, 1876.

Rev. David D. Delong, D.D. became the third president. He found it necessary to reconstruct the faculty and retained but two of the former teachers. The Kalozetean Literary Society was instituted to awaken interest in literary work among the young men by means of a healthy rivalry and the music department was organized. In the summer of 1883 a large two story frame building was erected on College Avenue, containing art room, music rooms, the department of natural science, a museum and the College library. During his presidency one hundred and seven students were graduated, fourteen in music and ninety-three in the literary department.

After an interregnum of several months Rev. Edmund S. Lorenz, A.M. was elected president and took up the work with energy and ability. Enlargement was his motto and the friends of the College rallied to his support. Post graduate studies were offered. The College Forum made its appearance under the editorship of the Faculty. With a devotion that won the admiration of his friends he labored incessantly for nearly two years to make the College the peer of any in the State but under this strain his health failed and he was obliged to retire at the close of the collegiate year of 1889.

The fifth president, Rev. Cyrus J. Kephart, D.D., assumed the duties of his office at the opening of the fall term in 1889. He secured creditable additions to the endowment fund but because of discouraging conditions declined re-election at the close of the first year.

The question of re-locating the College agitated its constituency, divided its friends and greatly hindered its progress. Some were almost in despair, others were indifferent, while others hoped and waited for the best. Under these conditions the Board of Trustees met in special session July 28, 1890, and called Dr. E. Benjamin Bierman to the presidency. He was inaugurated on the evening of the sixth of November following. Buildings were renovated, a larger number of students enrolled and the Mary A. Dodge Fund of ten thousand dollars received, "the interest of which only is to be loaned without charge to such pious young people as the Faculty of the College may deem worthy of help as students." The Silver Anniversary of the College was celebrated June 15, 1891, when money was raised to purchase four acres of ground to be added to the college campus. With the experience of twenty-five years of earnest effort to combat opposition and overcome error and misconceived notions of higher education and to build up an institution of learning creditable to the United Brethren Church the friends of the College entered upon the second quarter of a century with new hope and aspiration.

President Bierman served successfully until the spring of 1897 when he was succeeded by Rev. Hervin U. Roop, Ph.D., who held the office till Jan. 1, 1906, after which time the administration was in the hands of the Executive Committee and the Faculty until the election of Rev. A. P. Funkhouser, A.M., March 9, 1906.

The presidency of Dr. Roop stands out as the period when the group system in the College curriculum was introduced, when the athletic field was acquired, when the disastrous fire of December 24, 1904 occurred, sweeping away the Administration Building in a few hours, and when several new buildings arose on the campus.—Engle Music Hall 1899, and the Carnegie Library and Ladies Dormitory in 1904. The recuperative powers of the institution were put to the test by the destruction of the main building. At a meeting held January 5th, 1905, the friends of the College resolved, amid unusual enthusiasm to rebuild at once and with the stimulus of a gift of fifty thousand dollars from Andrew Carnegie received by the President, plans were matured by which to raise one hundred thousand dollars for this purpose. The erection of three new buildings was projected—the Men's Dormitory, the Central Heating Plant and the new Administration Building, the latter being completed under the supervision of President Funkhouser, whose term of office is marked also by a strenuous effort to straighten out the tangled threads in the financial skein and to meet the debt which rose to almost or altogether ninety thousand dollars. Bonds were issued to the amount of fifty thousand dollars and the co-operative college circles organized to relieve the financial conditions.

Rev. Lawrence Keister, S.T.B., D.D., was elected president of the College June 10, 1907, at the annual session of the Board of Trustees. On the 12th of June he assumed the duties of the office bringing to the task an earnestness and devotion that awakened a new interest among the students, the Faculty and the friends of the institution and also solicited the money to secure the much needed equipment for the Science Department. When school opened September 11, 1907 the sky above Lebanon Valley College was bright with promise. A new chord of harmony had been touched and with the ideal of the Christian College ever before its managers and patrons and a holy purpose forever within them their desire is unitedly to move forward confiding in Him who says to His followers to-day: "All power is given unto me in heaven and on earth."

## GENERAL INFORMATION

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### Buildings and Grounds

There are seven buildings on the campus in use, the Carnegie Library, the Engle Music Hall, the Women's Dormitory, the Men's Dormitory, the Academy Building, the Heating Plant, and the Administration building.

THE CARNEGIE LIBRARY, a building of the Gothic style of architecture, was erected in 1904. It contains reading rooms, stack rooms, and seminar rooms, together with a large assembly room, at present used for general lecture purposes, and later intended to be converted into a stack room.

THE ENGLE MUSIC HALL, of Hummelstown brownstone, erected in 1889, contains the college chapel, used for all large college gatherings, a director's office and studio, practice rooms, and a large society hall. The building is well equipped with pianos and a large pipe organ.

THE WOMEN'S DORMITORY was erected in 1905, and is a building of beautiful proportions. In addition to rooms which will accommodate forty-five students, there are a society hall, a dining hall, a well equipped kitchen, and a laundry.

THE MEN'S DORMITORY is a modern structure of brick with Indiana limestone trimmings. It contains single and double rooms and sixteen suites of two bed rooms with a separate study room. These afford accommodations for eighty-five students. This building was also erected in 1905.

THE ACADEMY BUILDING, the original building of the institution, and acquired by gift in 1866 when the College was founded, is now used as a dormitory and recitation hall for the academy students.

THE HEATING PLANT, erected in 1905, is in harmony with the buildings above described. It contains a low pressure heating system of the most perfect construction and supplies the heat for all the buildings on the campus. It is constructed with a view to the installation of a light plant.

THE ADMINISTRATION BUILDING, is the most important and central of the buildings. It is built of buff brick with terra cotta trimmings, three stories high. It contains the recitation rooms of the College and the laboratories of the science department. The

department of art has here commodious and modern quarters. The administration offices of fire proof construction are on the first floor.

To accommodate all these buildings, the campus, originally of ten acres, has been recently enlarged by purchase. It occupies a high point in the centre of the town of Annville and is within easy access of all trolley and railroad lines

The athletic field of five and one half acres is well located and admirably adapted to the purposes for which it is intended. On it are erected a good grand stand and bleachers.

### **Religious Work.**

Recognizing that most of its students come from Christian families, the College has always tried to furnish religious training. It believes in cultivating the heart as well as the mind, and encourages all wholesome means of promoting Christian influence.

Each school morning, a regular service is held in the college chapel, at which the students are required to be present. At this service there is singing, reading of scripture, and prayer. Members of the Faculty conduct this service.

A students' prayer meeting is held once a week, and opportunities for Bible study and mission study are offered by the Christian association in addition to those afforded by the regular curriculum.

A Bible Normal class is conducted to train Sunday school teachers. The course extends over one year and a diploma is granted to all who complete the course.

All resident students of the College are required to attend public worship in churches of their choice every Sunday.

The religious life during the past year has been earnest and helpful, and patrons may feel satisfied that high, moral influences are being exerted constantly over their children.

### **College Organizations.**

#### **Christian Associations.**

The College has flourishing Young Men's and Young Women's Christian Associations, which hold regular weekly devotional services and conduct special courses of Bible and mission study, often in charge of members of the Faculty.

These organizations frequently are visited by the general secretaries, who infuse enthusiasm into the work. Membership is volun-

tary, and the success of these societies is an almost certain index of the real condition of the religious life at Lebanon Valley College.

Under these auspices numerous public lectures, entertainments, and socials are held, so that they contribute incalculably to the pleasure of the student body. They are the centre of the spiritual welfare of the students and deserve the hearty support of all connected with the College.

**Literary Societies** Excellent opportunities for literary improvement and parliamentary training are afforded by the societies of the college. There are three of these societies—one sustained by the young ladies, the Clionian, and two by the young men, the Kalozetean and the Philokosmian. They meet every Friday evening in their well furnished halls for literary exercises consisting of orations, essays, and debates. These societies are considered valuable agencies in college work, and students are advised to unite with one of them.

**Athletic Association** The Athletic Association is composed of all students and others connected with the College, who pay the required athletic fee. It elects besides its own officers, the managers of the various athletic teams.

The direct supervision of athletics is in the hands of the committee of the association, called the executive board of athletics. This board is made up of seven members as follows: Two members of the Faculty of the college; the president of the association, who is ex-officio president of the board; the base ball, foot ball, and basket ball managers, and the treasurer of the association.

**Biological Field Club** The Biological Field Club offers to any student of the College an opportunity to collect, study, and discuss objects of interest in the field of living nature. Frequent excursions are made to places of special interest to members of the club.

**Historical Society** The Historical Society of Lebanon Valley College is organized by the students who have elected the historical-political group together with such others as may be especially interested in historical studies. The purpose of the organization is to stimulate among the students the spirit of historical research. Members of the society are collecting material for a museum, which will be arranged in proper form as soon as suitable provision can be made in one of the new buildings. The society holds stated meetings, at which papers are read and subjects of historic importance are discussed. The members of the society from time to time visit places of historic note.

**Modern Language Club**

In order to stimulate interest in the study of the modern languages, at the request of the junior and senior students of the modern language group, a club has been formed under the direction of the adviser of the group. The club meets every third Saturday afternoon or evening as occasion suggests. Student programs alternate with lectures by the teachers in the department.

**Library and Reading Rooms**

The beautiful new Carnegie Library Building furnishes commodious quarters for the growing library of the College. Each department has its particular books for reference in addition to the large number of volumes for general reference and study. An annual amount is appropriated by the Board of Trustees for the purchase of new books, and plans are being made for the enlargement of the library in order to meet the growing needs of the College.

Two large reading rooms on the first floor, splendidly lighted and ventilated, and beautifully furnished, are provided with the leading magazines and daily papers. Periodicals devoted to the special work of each department are here, as well as magazines of general literature. On the second floor are six seminar rooms designed to be equipped with the special works of reference for the various departments, where students doing the most serious work may study undisturbed.

**Laboratories**

The northern half of the Administration Building is fitted for work in science. The Chemical laboratory occupies the first floor, the Physical the second, and the Biological the third. Each department has its general laboratory seventy feet by twenty eight. These rooms are planned for practical working laboratories and the student will find everything arranged for his convenience. Stock rooms join the laboratories and the lecture rooms have seats with tablet arms. Risers give each student full view of the lecture table.

**Literary and Musical Advantages**

During the college year, the student body has the privilege of hearing lectures and talks delivered by resident professors and men of note in church and literary circles.

The department of music together with the department of public speaking presents a number of programs during the year for the pleasure and benefit of the general student body. Concerts and recitals by prominent musicians are given under the patronage of the department of music with the aim of creating in the student an appreciation for the best in art.

For the last two years a lively interest in dramatics has been aroused and sustained largely through the production of Shakesperean plays under the direction of the department of public speaking. Various college organizations have likewise presented plays of a high grade. These efforts in production help to broaden the interests of the student and to increase his powers for æsthetic appreciation.

A further means of enjoyment and education is the evening course of five numbers including lectures and concert performers under the management of the Christian associations of the College.

## Scholarships

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The College offers a limited number of one-hundred-dollar free tuition scholarships to honor graduates of State Normal Schools and approved high schools and academies. One scholarship is allotted to the first honor graduate of our own academy.

Graduates of high schools and academies whose standard is not equal to that of our own academy, may enter the senior year of the academy and become competitors for our own academy scholarship.

Honor graduates of preparatory schools who have conditions may be allowed to make them up in the freshmen year. If the first semester's work shows a majority of A's and nothing less than B in all work including conditions, a scholarship may be awarded.

The Faculty and Executive Committee shall make all scholarship awards.

## Graduate Work

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Since all its members are fully occupied with undergraduate work, the Faculty deems it unwise to offer any work for the degree of Master of Arts during the coming year. In rare cases sufficient resident work upon certain advanced courses given may be outlined. But as special action would be required in each case, no detailed announcement can be made here. All inquiries about graduate work should be addressed to the Dean.



## **Administration**

**Advisers** The following are the advisers for the students in each of the five groups in which courses of instruction are offered: For the classical group, Professor Spangler; for the mathematical-physical, Professor Bender; for the chemical-biological, Professor Derickson; for the historical-political, Professor Shenk; for the modern language, Professor Engle; for the freshman class, Professor John, and for the Academy, Professor Spessard. The students of each group are amenable to the advisers in all matters of conduct, study and discipline. He is to grant leave of absence, permission to go out of town, and excuses. 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.

**Discipline** It is earnestly desired that students may be influenced to good conduct and diligence by higher motives than fear of punishment. The sense of duty and honor, the courteous and general feelings natural to young men and women engaged in literary pursuits, are appealed to as the best regulators of conduct. It is the policy of the administration to allow in all things as much liberty as will not be abused, and the students are invited and expected to co-operate with the Faculty; but good order and discipline will be strictly maintained and misconduct punished by adequate penalties. The laws of the College are as few and simple as the proper regulation of a community of young men and women will permit. The College will not place its stamp or bestow its honors upon anyone who is not willing to deport himself becomingly. No hazing of any kind will be permitted. Every unexcused absence from any college duty, every failure or misdemeanor of a student is reported to the Faculty, and a record made of the same.

**Classification** The maximum number of hours, conditioned, permitted for senior standing is four; for junior standing six, for sophomore eight, and for freshman—to be decided for individual student by the committee on classification.

The permitted number of extra hours of work above that prescribed by the curriculum is limited by the student's record for previous years as follows:

- (a) Majority of A's, nothing less than B—no limit.
- (b) Majority of B's, nothing less than C—four hours.
- (c) Lower record than (b)—no extra hours.

**Class Standing** The scholarship of students is determined by result of examinations and daily recitations combined. The grades are carefully recorded.

Reports of standing will be made to parent or guardian at end of each term when desired by them, or when the Faculty deems it expedient. The standing is indicated generally by classification in six groups, as follows:

A signifies that the record of the student is distinguished.

B signifies that the record of the student is very good.

C signifies that the record is good.

D signifies the lowest sustained record.

E (conditioned) imposes a condition on the student. Conditions incurred in January must be made up by June; conditions incurred in June must be made up by September. Failing to make up a condition at the time appointed is equal to a record F.

F (failed completely) signifies that the student must drop or repeat the subjects, and cannot be admitted to subjects dependent thereon.

If the student's record as a whole is poor, he may be required to repeat certain subjects, to repeat the year, or to withdraw.

**Degree and Diploma** The degree of bachelor of arts is conferred, by a vote of the Board of Trustees on recommendation of the Faculty, upon students who have satisfactorily completed any of the groups.

## Expenses.

### COLLEGE AND ACADEMY

MATRICULATION FEE, payable in advance . . . . . \$5.00 a year

TUITION—Twenty hours' work or less, in College . . . . . 50.00 a year

Twenty-four hours' work or less, in Academy . 50.00 a year

Additional hours of work will be charged for at rate of \$1.50

for each hour per semester.

GRADUATION FEE, payable 30 days prior to Commencement . . \$10.00

LABORATORY FEES, per semester :

Biology . . . . .	\$6 00
Histology . . . . .	5 00
Embryology . . . . .	5 00
Comparative vertebrate anatomy . . . . .	6 00
Botany . . . . .	2 00
Physiology . . . . .	2 00
Chemistry 1 . . . . .	6 00

Other courses in chemistry . . . . .	6 00
Physics 1 . . . . .	5 00
Elementary Physics . . . . .	3 00

## TABLE BOARD AND ROOM RENT

TABLE BOARD—Regular students, \$104.00 a year; \$2.80 a week.

Five-day students, \$74.00 a year; \$2.00 a week.

ROOM RENT . . . . . \$40 to \$60 a year, varying as one or two students occupy one room and according to location of room.

Students rooming alone at their own request will be required to pay full rent of the room.

A reduction of one-half of the regular fifty dollar tuition fee will be made to children of ministers in the active work.

When two children are in attendance from the same family, a discount of 10 per cent from the regular tuition is made.

Tuition and room rent are payable as follows: Twenty dollars at the opening of the school year; fifteen dollars after the Christmas holidays and the balance after Easter recess. College privileges will be extended only in accordance with the treasurer's card, held by the student.

Table board must be paid for in advance, by the week, month or term, as most convenient to the student. The domestic department is not run for profit and the actual cost must be paid as incurred.

Laundry work will be done at the usual prices.

No reduction will be made in tuition and room rent for a semester except for protracted sickness.

No reduction will be made for table board for an absence of less than a week.

A deposit of three dollars will be required of each dormitory student upon entering school, to cover any damage to room during year. Any unexpended balance will be returned to student at end of year upon the return of key.

Students are required to furnish their own towels, napkins and bedding except mattress. Every article of clothing and other personal property should be marked with the owner's full name.

Any student who receives beneficiary aid from the College may be called upon to render service to the College as an equivalent for all or a part of the aid so received.

Opportunity for self help is extended to a limited number of students to the amount of their bills for tuition or room rent, and sometimes for both. Application for such favors should be made to the President.

## **Departments.**

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Lebanon Valley College comprises the following well organized departments :

THE COLLEGE offers five groups of study leading to the degree of bachelor of arts. The groups bear the names of the leading subjects included in them. The following are the names of the groups : The classical, the mathematical-physical, the chemical-biological, the historical-political, and the modern language.

THE ACADEMY provides a four year's course designed to fit young people for the freshman class in any college.

THE DEPARTMENT OF MUSIC offers full courses in instrumental and vocal music and grants diplomas to those who complete either of the courses.

THE DEPARTMENT OF ART provides thorough instruction in drawing and painting, with the aim of improving and developing the æsthetic sense.

THE NORMAL DEPARTMENT has been organized to provide a training school for teachers.

THE DEPARTMENT OF ELOCUTION.

## **Requirements for Admission.**

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Candidates for the Freshman class are entered on the basis of "units." Sixteen units are required. A unit designates not less than three one-hour periods or not less than four forty-five-minute periods, or twice as many laboratory periods each week, continued throughout a school year of at least thirty-four weeks in a State Normal School, or in an Academy or High School approved by the Faculty of the College.

## **Entrance Subjects.**

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The following is a complete list of entrance subjects in which applicants may receive credit for admission to the Freshman class. Units should be selected according to the particular college course that the student wishes to pursue. A statement of the specific requirements for admission to each college course follows this list of Entrance Subjects.

## GROUP I.

English A and B . . . . .	3 units
Algebra A . . . . .	1½ units
Plane Geometry . . . . .	1 unit
Solid Geometry . . . . .	½ unit
Latin . . . . .	4 units

## GROUP II.

American History and Civil Government . . .	1 unit
Ancient History . . . . .	1 unit
Medieval History . . . . .	1 unit
English History . . . . .	1 unit

## GROUP III.

Greek . . . . .	1 unit
German . . . . .	1, 2 or 3 units

## GROUP IV.

Physics . . . . .	1 unit
Botany . . . . .	½ or 1 unit
Chemistry . . . . .	½ or 1 unit
Physical Geography . . . . .	1 unit
Zoology . . . . .	½ or 1 unit
Drawing . . . . .	¼ unit
Algebra-Intermediate . . . . .	½ unit

### Requirement in Detail.

The five courses offered by the College are: *Classical, Historical-Political, Modern Language, Chemical-Biological and Mathematical-Physical.*

The entrance requirements for any of the above courses include all the subjects in Group I.—Ten units.

*For the Classical Course*—The candidate shall select in addition one unit from Group II; one unit of Greek and two units of German from Group III; one entire unit from any subject in Group IV; and one unit from Groups II, III or IV.

*For the Historical-Political Course*—The candidate shall select in addition, two units from Group II; two units from Group III; one full unit from Group IV; and one unit from Groups II, III or IV.

*For the Modern Language Course*—The candidate shall select in addition two units from Group II; three units of German from Group III; and any one unit of science with laboratory requirement.

*For the Chemical-Biological Course*—The candidate shall select one unit from Group II; three units from Group III; and two units from Group IV.

*For the Mathematical-Physical Course*—The candidate shall select in addition one unit from Group II; three units from Group III; Physics from Group IV; and one unit from Groups II, III or IV.

A single year in any language will not be accepted unless the language is continued in college.

Candidates who have had no Latin but have had six units of French and German, or Greek and German or French and Greek may pursue academy Latin and receive college credits for the last three units.

Any other changes in the above requirements will be decided by the Faculty and these only on condition that the applicant shall have presented a written request to the Dean.

## Entrance Subjects in Detail.

### GROUP I.

*English A.* One and one-half units.

The ability to write good English is the one necessary requirement. Candidates will be expected to answer general questions testing their knowledge of the following list of Classics for the year 1908: Shakespeare's *Macbeth*, Shakespeare's *The Merchant of Venice*, Coleridge's *Ancient Mariner*, Scott's *Ivanhoe*, Scott's *Lady of the Lake*, George Eliot's *Silas Marner*, Irving's *Life of Goldsmith* and Tennyson's *Idyls of the King*.

FOR THE YEARS 1909, 1910, 1911: Group I. (Two to be selected.)

Shakespeare's *As You Like It*, *Henry V.*, *Julius Cæsar*, *The Merchant of Venice*, *Twelfth Night*.

Group II. (One to be selected.)

Bacon's *Essays*, Bunyan's *Pilgrim's Progress Part 1*, *The Sir Roger De Coverley Papers in the Spectator*, Franklin's *Autobiography*.

Group III. (One to be selected.)

Chaucer's *Prologue*, Spenser's *Faerie Queen* (selections), Pope's *The Rape of the Lock*, Goldsmith's *The Deserted Village*, Palgrave's *Golden Treasury* (First Series) Books II and III, with especial attention to Dryden, Collins, Gray, Cowper and Burns.

Group IV. (Two to be selected.)

Goldsmith's *The Vicar of Wakefield*, Scott's *Ivanhoe*, Scott's *Quentin Durward*; Hawthorne's *The House of the Seven Gables*,

Thackeray's *Henry Esmond*, Mrs. Gaskell's *Cranford*, Dicken's *A Tale of Two Cities*, George Eliot's *Silas Marner*, Blackmore's *Lorna Doone*.

Group V. (Two to be selected.)

Irving's *Sketch Book*, Lamb's *Essays of Elia*, De Quincey's *Joan of Arc* and the *English Mail Coach*, Carlyle's *Heroes and Hero Worship*, Emerson's *Essays* (selected), Ruskin's *Sesame and Lilies*.

Group VI. (Two to be selected.)

Coleridge's *The Ancient Mariner*, Scott's *The Lady of the Lake*, Byron's *Mazeppa* and the *Prisoner of Chillon*, Palgrave's *Golden Treasury* (First Series) Book IV with especial attention to Wordsworth, Keats, and Shelley, Macaulay's *Lays of Ancient Rome*, Poe's *Poem's*, Lowell's *The Vision of Sir Lanfal*, Arnold's *Sohrab and Rustum*, Longfellow's *The Courtship of Miles Standish*, Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*, Browning's *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Evelyn Hope*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *The Boy and The Angel*, *One Word More*, *Herve Riel*, *Pheidippides*.

*English B.*—One and a half units.

*Study and Practice*—This part of the examination presupposes the thorough study of each of the works named below. The examination will be upon subject matter, form and structure. In addition, the candidate may be required to answer questions involving the essentials of English grammar, and questions on the leading facts in those periods of English literary history to which the prescribed works belong.

The books set for this part of the examination will be:

For the year 1908:

Shakespeare's *Julius Caesar*; Milton's *Minor Poems*, *L'Allegro*, *Il Penseroso*, *Comus*. and *Lycidas*; Burke's *Conciliation with America*, Macauley's *Essay on the Life of Samuel Johnson*; Macauley's *Essay on Addison*.

For the years 1909, 1910, 1911:

Shakespeare's *Macbeth*; Milton's *Lycidas*, *Comus*, *L'Allegro*, and *Il Penseroso*; Burke's *Speech on Conciliation with America*, or *Washington's Farewell Address* and *Webster's First Bunker Hill Oration*; Macaulay's *Life of Johnson*, or *Carlyle's Essay on Burns*.

*Algebra to Quadratics*—One unit.

As treated in the larger texts of Wells, Wentworth, Tanner or an equivalent. The four fundamental operations; factoring, highest

common factor and least common multiple; simple and complex fractions; powers and roots; numeral and literal equations, and problems based on linear equations; radicals and theory of exponents; and simple equations of the second degree.

*Plane Geometry*—One unit.

As treated by Wentworth or an equivalent. The usual theorems with original exercises on angles, triangles, similar polygons, circles, areas, etc.

*Solid Geometry*—One-half unit.

As treated by Wentworth or equivalent. Relation of lines and planes in space; prisms, pyramids, cylinders and cones; the sphere and spherical triangles; and the ability to apply Solid Geometry to practical problems.

*Latin*—Four units:

*First unit*, Moore and Schlicher's First year Latin or its equivalent including drill in Roman pronunciation, inflection and the important parts of syntax. "Fabulae Faciles" or some Latin reader.

*Second unit*—Bennet's or Allen and Greenough's Latin Grammar or an equivalent; the first four books of Caesar's Gallic War; and D'Oge's composition based on the text, two lessons a week.

*Third unit*—Six Orations of Cicero; the four orations against Catiline, the oration of Archias, and one other. Continuation of composition.

*Fourth unit*—The first six books of Virgil's *Æneid*; quantity and versification; reading at sight. History of the times of Caesar, Cicero and Virgil.

## GROUP II.

*American History*—One unit.

The discovery, exploration and settlement of America; the colonial policy of England culminating in the Revolution; political, economical and social history of the United States since the adoption of the Constitution.

Smith's Training for citizenship or its equivalent.

*Ancient History to 300 A. D.*—One unit.

Greek history to the Fall of Corinth, and the history, in brief, of the more ancient countries.

The history of the Roman Republic and the Empire to the time of Constantine. Myers' Ancient History is the text.

*Mediæval and Modern European History*.—One unit.

As presented by Thatcher or an equivalent.

*English History*.—One unit.

Walker's essentials in English History or its equivalent.



## GROUP III.

*Beginner's Greek.*—One unit, when continued in college. White's First Greek Book.

*German.*—Three units.

*German A. Elementary German.*—One unit.

During the first year the work should comprise : (1) Careful drill upon pronunciation, (2) the memorizing and frequent repetition of easy colloquial sentences; (3) drill upon the rudiments of grammar, that is, upon the inflection of the articles, of such nouns as belong to the language of every-day life, of adjectives, pronouns, weak verbs, and the usual strong verbs; also upon the use of the more common prepositions, the simpler uses of the modal auxiliaries, and the elementary rules of syntax and word order; (4) abundant easy exercises designed not only to fix in mind the forms and principles of grammar, but also to cultivate readiness in the reproduction of natural forms of expression; (5) the reading of from 75 to 100 pages of graduated texts from a reader, with constant practice in translating into German easy variations upon sentences selected from the reading lesson (the teacher giving the English), and in the reproduction from memory of sentences previously read.

*German B. Elementary German (continued)*—One unit.

During the second year the work should comprise : (1) The reading of from 150 to 200 pages of literature in the form of easy stories and plays; (2) accompanying practice, as before, in the translation into German of easy variations upon the matter read and also in the off-hand reproduction, sometimes orally and sometimes in writing, of the substance of short and easy selected passages; (3) continued drill upon the rudiments of the grammar, directed to the ends of enabling the pupil, first, to use his knowledge with facility in the formation of sentences, and, secondly, to state his knowledge correctly in the technical language of grammar.

The following reading recommended in the report of the *Committee of Twelve* will furnish matter from which selections may be made by the teacher : Andersen's *Märchen* and *Bilderbuch ohne Bilder*; Arnold's *Fritz auf Ferien*; Baumbach's *Die Nonne* and *Der Schwiegersohn*; Gerstäcker's *Germelshausen*; Heyse's *L'Arrabiata*, *Das Mädchen von Treppi*, and *Anfang und Ende*; Hillern's *Höher als die Kirche*; Jensen's *Die braune Erica*; Leander's *Träumereien*, and *Kleine Geschichten*; Seidel's *Märchen*; Stökl's *Unter dem Christbaum*; Storm's *Immensee* and *Geschichten aus der Tonne*; Zschokke's *Der zerbrochene Krug*; Hauff's *Das kalte Herz*; Stern's *Aus deutschen Meisterwerken*. Among shorter plays the best available are perhaps

Benedix's *Der Prozess*, *Der Weiberfiend*, and *Gunstige Vorzeichen*; Elz's *Er ist nicht eifersüchtig*; Wichert's *An der Majorsecke*; Wilhelmi's *Einer muss Heiraten*.

*C Intermediate German.* One unit. The work should comprise, in addition to the elementary course (A and B), the reading of about 400 pages of moderately difficult prose and poetry, with constant practise in giving, sometimes orally and sometimes in writing, paraphrases, abstracts, or reproductions from memory of selected portions of the matter read; also grammatical drill upon the less usual strong verbs, the use of articles, cases, auxiliaries of all kinds, tenses and modes (with special reference to the infinitive and subjunctive), and likewise upon word order and word formation.

The Intermediate course is supposed to be the elementary course (A and B), plus one year's work at the rate of not less than four recitations a week. Suitable reading matter for the third year can be selected from such works as the following: Ebner-Eschenbach's *Die Freiherren von Gemperlein*; Freitag's *Die Journalisten und Bilder aus der deutschen Vergangenheit*, for example, *Karl der Grosse*, *Aus den Kreuzzügen*, *Doktor Luther*, *Aus dem Staat Friederich's des Grossen*; Fouque's *Undine*; Gerstäcker's *Irrfahrten*; Goethe's *Herrmann und Dorothea* and *Iphigenie*; Heine's Poems and *Reisebilder*; Hoffmann's *Historische Erzählungen*; Lessing's *Minna von Barnhelm*; Meyer's *Gustav Adolph's Page*; Moser's *Der Bibliothekar*; Riehl's *Novellen*, for example, *Burg Neideck*; *Der Fluch der Schönheit*, *Der Stumme Ratsherr*, *Das Spielmannskind*; Rosegger's *Waldheimat*; Schiller's *Der Neffe als Onkel*, *Der Geisterseher*, *Wilhelm Tell*, *Die Jungfrau von Orleans*, *Das Lied von der Glocke*, *Balladen*; Scheffel's *Der Trompeter von Säckingen*; Uhland's poems; Wildenbruch's *Das Edle Blut*.

N. B. The requirement in German for admission to the Freshman Class is the Elementary Course (A and B). Candidates not having certificates that they have fulfilled the requirement will be subjected to an entrance examination. College credit is given for Intermediate German C, in 1908-1909.

#### GROUP IV.

*Physics.*—One unit.

As much as is contained in the text-book of Carhart and Chute, or an equivalent. Laboratory work required.

*Botany.*—One unit.

As much as is contained in Gray's Lessons, or an equivalent. Laboratory work. For the first 155 pages only, one-half unit.

*Chemistry.*—One unit.

Facility in the use of the Metric System and the familiarity with the correct solution of problems on weight and volume relations of equations; acquaintance with the metals and non-metals. Laboratory work is indispensable.

For definite information concerning the half unit credit address the Dean.

*Physical Geography*.—One unit.

The equivalent of Davis' text-book.

*Zoology*.—One unit.

Types of all the phyla with laboratory notes and drawings. Field observations and reports. Course as outlined by the committee on college entrance requirements.

*Intermediate Algebra*.—One-half unit.

As treated by Wentworth or Tanner in their larger editions, Quadratic Equations and problems depending on quadratic equations; variation, ratio and proportion; variables and limits; properties of series including the binomial theorem and positive integral exponents and the formula for the  $n$ th term and the sum of the terms of arithmetical and geometrical progression, with applications; logarithms.

*Drawing*.—One-fourth unit.

Freehand work and various kinds of geometrical figures. The equivalent of one recitation a week throughout the year.

## OUTLINE OF COURSES

Description of Courses is given under Departments of Instruction.

### FRESHMAN

	GROUP I.	GROUP II.	GROUP III.	GROUP IV.	GROUP V.
Classical.	Chemical/Biological.	Mathematical/Physical	Historical/Political.	Modern Language.	
Latin 1 Greek 1b French 1, or German 1, or Biology 1a Mathematics 1 English 1	Mathematics 1 Biology 1a German 3a English 1 Bible 1 French 1	Mathematics 1 German 3a French 1 English 1 Bible 1 History 1	Latin 1; or Greek 1 Mathematics 1 German 3a English 1 Bible 1 French 1	Latin 1; or Greek 1 German 4 Mathematics 1 English 1 Bible 1 French 1	Latin 1; or Greek 1 German 4 Mathematics 2 English 1 Bible 1 French 1
Latin 1 Greek 1b French 1, or German 2, or Biology 1a Mathematics 2 English 1 Bible 1	Mathematics 2 German 3a Biology 1a English 1 Bible 1 French 1	Mathematics 2 German 3a French 1 English 1 Bible 1 History 1	Latin 1; or Greek 1 Mathematics 2 German 3a English 1 Bible 1 French 1	Latin 1; or Greek 1 German 4 Mathematics 2 English 1 Bible 1 French 1	Latin 1; or Greek 1 German 4 Mathematics 2 English 1 Bible 1 French 1

Elocution is required of all Freshmen. One hour a week.

SOPHOMORE

GROUP I		GROUP II		GROUP III		GROUP IV		GROUP V	
Classical.		Chemical-Biological.		Mathematical-Physical		Historical-Political.		Modern Language.	
hrs.		hrs.		hrs.		hrs.		hrs.	
Latin 2	3	Mathematics 3	3	Mathematics 4	3	History 1	3	German 5	3
Greek 2C	3	History 1	3	German 9	2	Philosophy 1	3	French 2	3
History 1	3	Philosophy 1	3	French 2	3	English 2	1	History 1	3
Philosophy 1	3	English 2	1	Chemistry 1	4	Biology 1; or	4	Philosophy 1	3
English 2	1	* Elective	7	English 2	1	Chemistry 1	3	English 2	1
German 3, or	}			Philosophy 1	3	German 8	3	Biology 1; or	}
French 2, or				Elective	1	Elective	3	Chemistry 1	
Biology 1B									
Latin 2	3	Mathematics 3	3	Mathematics 4	3	History 1	3	German 6	3
Greek 1C	3	History 1	3	German 9	2	Philosophy 2	3	French 2	3
History 1	3	Philosophy 2	3	French 2	3	English 2	1	History 1	3
Philosophy 2	3	English 2	1	Chemistry 1	4	Biology 1; or	4	Philosophy 2	3
English 2	1	* Elective	7	English 2	1	Chemistry 1	3	English 2	1
German 3, or	}			Philosophy 9	3	German 8	3	Biology 1; or	}
French 2, or				Elective	1	Elective	3	Chemistry 1	
Biology 1B									

First Semester

Second Semester

\* Biology 1b or chemistry 1 must be elected here. Both subjects are required of all students in this group. Three more hours must be elected.

## JUNIOR

GROUP I.		GROUP II.		GROUP III.		GROUP IV.		GROUP V.	
Classical.		Chemical-Biological.		Mathematical-Physical.		Historical-Political.		Modern Language.	
Greek 1	hrs. 3	Biology 2; or	hrs. 4	Mathematics 5	hrs. 3	History 2	hrs. 3	German 7	hrs. 3
Latin 3	2	Chemistry 2	4	Physics 1 }	3	Economics 1	3	French 3	3
Philosophy 4	2	Mathematics 4	3	Physics 3 }	4	Philosophy 4	2	English 3	4
English 3	4	Economics 1	3	Chemistry 2	4	Pedagogy 1	2	English 5	3
Economics 1	3	Elective	7	Astronomy 1	4	English 3	4	Economics 1	3
Bible 1	2			Elective	2	Elective	3	Philosophy 4	2
* Elective	4								
Greek 1	3	Biology 2; or	4	Mathematics 6	3	History 3	3	German 7	3
Philosophy 4	2	Chemistry 3	3	Physics 2 }	4	Economics 2	3	French 3	3
English 4	4	Mathematics 5	3	Physics 3 }	4	Philosophy 4	2	English 4	4
Bible 1	2	Elective	10	Chemistry 3	4	English 4	4	English 6	3
Elective	6			Elective	6	Elective	5	Philosophy 4	2
								Elective	3

\* Biology 1, or chemistry 1, or physics 1 must be elected here. Otherwise free election in all groups.

First Semester

Second Semester

OUTLINE OF COURSES

SENIOR

GROUP I.		GROUP II.		GROUP III.		GROUP IV.		GROUP V.	
Classical.		Chemical-Biological.		Mathematical-Physical.		Historical-Political.		Modern Language.	
hrs.		hrs.		hrs.		hrs.		hrs.	
Greek 2	3	Physics 1	4	Mathematics 7	3	History 4	3	English 7	2
Philosophy 5	2	Bible 3	2	Physics 4	3	History 5	3	English 9	3
History 4	3	* Elective	10	Bible 3	2	Philosophy 5	2	German 10	2
Bible 3	2			Elective	8	Bible 3	2	Philosophy 5	2
Elective	6					Elective	6	Bible 3	2
								Elective	7
Greek 2	3	Physics 1	4	Mathematics 8	3	History 4	3	English 8	2
Philosophy 5	2	Bible 5	2	Physics 4	3	History 6	3	English 10	3
History 4	3	* Elective	10	Bible 3	2	Philosophy 5	2	German 10	2
Bible 5	2			Elective	8	Bible 5	2	Philosophy 5	2
Elective	6					Sociology	2	Bible 5	2
						Elective	4	Elective	7
		* A minimum of four hours of advanced work in biology or chemistry must be elected.							

First Semester Second Semester

## DEPARTMENTS OF INSTRUCTION

### Philosophy

PROFESSOR JOHN

1. *Logic*—Three hours. First Semester.

The aim is to acquaint the pupil with the laws of thought as revealed in the nature of the human mind. A careful introductory survey is made of the syllogism and of the scientific method, and a drill is given in the detection and correction of logical fallacies. Recitation and library referencēs.

2. *Psychology*—Three hours. Second Semester.

General Psychology.—This course is planned to guide the student in forming the habit of observing and interpreting mental phenomena, and to lay a foundation for all the higher branches dealing primarily with mental life. Recitation, lecture, experiment and library references.

3. *Psychology of Religion*—(See Bible and Religion and Philosophy.

4. *History of Philosophy*—Two hours. Throughout the year.

A general survey is made of the field of Philosophy in general with special emphasis upon Plato and Aristotle, and upon the systems of Rationalism, Empiricism and Idealism. The aim is to develop the love of the truth, a discriminating judgment and independent thinking.

5. *Ethics*—Two hours. Throughout the year.

(a) *Theoretical Ethics*—The evolution of Ethical theories is traced, the chief systems are criticised and perfection selected as the standard most in harmony with the nature of man. The nature of virtue and duty are named with reference to their training in life. Mackenzie's Manual is used as a guide.

(b) *Applied Ethics*—The student is led in making a practical application of the theory of Ethics to the solution of the problems of our complex modern life. The study is constructive and represents the students' own thinking.

(c) *Christian Ethics*—The purpose of this course is to lead the pupil to see that the conclusions of Scientific Ethics, and the requirements of Applied Ethics necessitate the content of the teachings of the Christ in order that the systems may be complete.



Lectures and theses. References: Aristotle, Kant, Fichte, Hegel, Sidgwick, Spencer, Paulson, Wundt, Seth, Dörner, Smyth, and others.

6. *Ethics*. (See catalogue, page 26).

7. *Psychology and Philosophy of Religion*—Two hours. Throughout the year.

The religious nature of man is studied psychologically as manifested in childhood, adolescence and maturity, including the phenomena of conversion and Christian growth. A brief survey is made of the historic religions, after which follows a study of the Philosophy of Religion. Lectures, theses and reports. Starbuck's *Psychology of Religion* and Hoffding's *Philosophy of Religion* are used as guides. References: James' *Types of Religious Experience*, Biographies of prominent evangelists and religious leaders, and general treatises over the historic religions.

## Greek Language and Literature

PROFESSOR SPANGLER

1 b. *Elementary Greek*.—Five hours. Throughout the year.

Xenophon: Four books of the *Anabasis*. Greek Prose.

1 c. *Advanced Greek*.—Three hours. Throughout the year.

Homer: Three books of the *Iliad*, scansion, sight translation, epic poetry. Greek antiquities, Greek literature and Greek prose.

1. *Junior Greek*.—Three hours. Throughout the year.

Herodotus: Selections from several of the books are read. Review of the Greek historians and the Persian Wars.

Plato: *Apology* and *Crito*. The Athenian courts.

New Testament; Readings in the Pauline epistles.

2. *Senior Greek*.—Three hours. Throughout the year.

Xenophon: *Memorabilia*, or *Demosthenes*; *De Corona*. Socrates and the Socratic schools. The Attic oration.

Sophocles: *Oedipus Tyrannus*, or Aeschylus: *Prometheus Bound*. Development of the Greek drama. Greek tragedy, comedy and theater.

3. *Junior Elective Greek*.—Three hours. Throughout the year.

New Testament: Readings in the gospels of Mark and John and in the Pauline and Catholic epistles. The object of this course is exegetical and practical. It will include a study of the synoptic gospels and a survey of the letters of Paul.

## Latin Language and Literature.

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PROFESSOR SHIPPEE.

1. *Freshman Latin*—Four hours. Throughout the year.

(a) Livy: This course includes Book XXI, and parts of Book XXII, describing Hannibal's advance upon Rome to the battle of Cannæ. The author's style and peculiarities of syntax are studied. Prose composition based upon the text. Special chapters of Roman history are assigned. Wilkin's Roman Antiquities. Grammar is reviewed.

(b) Cicero: De Senectute (1907,) or De Amicitia (1908) is read. Special studies in syntax and prose composition based upon the text.

(c) Horace: Selections from the Odes and Epodes. A careful study is made of the poetical constructions, historical and illustrative facts, an analysis of the thought and general interpretation of each ode and epode read. The meters of Horace are carefully studied.

2. *Sophomore Latin*—Three hours. Throughout the year.

(a) Horace: Satires and Epistles. Selected satires and epistles; Ars Poetica. Special attention will be paid to the argument, style, and character portrayal, also their place in literature. Historical outlines of Roman literature. Bender's text and lectures.

(b) Tacitus: Germania and Agricola. The historical and literary importance of both are brought out in the study of these works.

(c) Quintilian. Books X. XII. This course aims to give a comprehensive view of the principles of rhetoric and oratory as taught by the Romans. This course alternates with course 2b.

3. *Junior Latin*—Two hours. Throughout the year.

(a) Cicero: De Officiis. This text is made the basis for the study of ethics as taught by Cicero and his predecessors.

(b) Plautus and Terence. Selected plays are read from these authors.

(c) Juvenal. This course alternates with 3b. Selected satires are read and are made the basis for a study of the character of the times.

4. *Senior Latin*—Two hours Throughout the year.

(a) Cicero's Letters. May be arranged for semester or year, as determined by the class at the beginning of the year. A study of the character and career of Cicero is made from selected letters and from other historical and biographical sources.

(b) Remnants of Early Latin, (Allen and Egbert,) or Cicero De Oratore may be taken up as elective in senior year.

## French Language and Literature

PROFESSOR SHIPPEE

1. *Elementary Course*—Three hours. Throughout the year.

French Grammar (Fraser and Squair); Contes et Légendes; Aldrich and Foster's French Reader; Mairêt's *La Tâche du Petit Pierre*; Bruno's *Le Tour de la France*; L'Abbè Constantin; *Le Conscrit*; *La Poudre aux Yeux*; *Jeanne D'Arc*.

2. *Intermediate Course*—Three hours. Throughout the year.

Bouvet's French Composition; Colomba; *Carmen* and Other Stories (*Mèrimèe*); Sand's *La Petite Fadette* and *La Mare au Diable*; Bowen's French Lyrics; Corneille's *Le Cid*; Racine's *Athalie*; Molière's *L'Avare*; Maupassant's *Contes Choisis*; Feuillet's *Le Roman d'un Jeune Homme Pauvre*; Foncin's *Le Pays de France*; Augier's *Le Gendre de Monsieur Poirier*; About's *Le Roi des Montagnes*.

Other texts than those mentioned will be read. This course aims to give the student ease in reading French prose and verse and facility in writing simple French prose.

3. *Nineteenth Century Literature*—Three hours. Throughout the year.

Composition will be continued throughout the year. A hasty survey of French Literature will be made, for which Pellissier's *Littérature Française* will be the text book. Several of the great novels will be read; De Vigny: *Cinq Mars*; Victor Hugo: *Les Misérables*; *Notre Dame de Paris*. Balzac: *Eugénie Grandet*; *Le Curé de Tours*. Poetry, drama and historical prose will also be extensively read.

4. *Classical French Literature*—Three hours. Throughout the year.

The greater part of the works of Molière, Racine, and Corneille will be read. There will also be wide reading in the prose works of the classic writers, including Voltaire, Bossuet, Descartes, La Bruyère, Pascal, Mme De Sévigné, Mme de La Fayette, and Fénelon.

This course will alternate with course 5. Not given in 1908-1909.

5. *Composition and Conversation*—Three hours. Throughout the year.

The object of this course is to enable the student to write French with ease and to speak it with considerable fluency. In the latter part of the year some English classic will be the basis of the written work.

This course is elective for students who have completed Course 2, and for those who have completed Course 1, with high credit.

## German Language and Literature.

PROFESSOR ROEDER.

The courses in this department are designed to give the student a general knowledge and understanding of the German language, life, literature and thought. They bring the student into touch with the character and genius of the German people.

Special emphasis is laid upon social conditions and political events, and upon the relations of the German to the English and to the classical languages.

To this end systematic attention is paid to pronunciation, reading, etymology and conversation. In the advanced courses special emphasis is laid upon the study of the literature. The idiomatic sentence and modern colloquial language form the basis of the work in composition. In order to give students an opportunity to become familiar with the spoken idioms, the translation into English is discontinued as soon as possible and expressive reading of the German text with free reproduction is substituted; the students begin early to use the German in recitations, and several of the advanced courses are conducted almost entirely in German. Reading and translation at sight are cultivated. Private reading of assigned texts accompanies the work in the advanced courses.

Other texts may at times be substituted for some of those indicated.

1. *First Year German*—Five hours. First Semester.

Drill in pronunciation, memorizing easy sentences, the rudiments of grammar with easy exercises illustrating grammatical forms and principles, and the reading of 100 to 150 pages of graduated texts.

*Bierwirth's Beginning German.*

2. *Composition and Reading*—Five hours. Second Semester.

Wesselhöft's *Composition and Syntax*, reading of 250 to 300 pages of choice selections of modern fiction, and free reproduction of texts previously read.

*Courses 1 and 2 are required of classical students who have had Latin and Greek, but do not offer German for admission. The work represents five to six terms of ordinary high school German, but may not be taken to remove language requirements for admission to college.*

3. *Intermediate German*—Four hours. Throughout the year.

First Semester, *German Drama.*

Rapid reading of dramas of the eighteenth and nineteenth centuries.

Second Semester. *Prose of Modern Historians and Critics.*

Rapid reading of selections from history, political writings, and literary criticism.

*Courses 1, 2, and 3, must be taken consecutively and are required of all students electing the Classical group. Students who wish to continue the study of German may elect any of the following courses (except 3a).*

3a. *Intermediate German*—Four hours. Throughout the year.

Review of grammar; composition; reading and conversation.

Bierwith's *Elements of German*, von Jagemann's *Composition*, and reading of modern prose, narrative and dramatic, with practice in free reproduction; original themes. Selections from Riehl, Freytag and Schiller.

*Required of all students (except classical) who have not offered third year German at entrance. See statement of Academy German C., page 54. (Not given after 1908-1909.)*

4. *German Literature to the Reformation*—Three hours. Throughout the year.

Kluge's *Geschichte der Deutschen Literatur*. Lectures in German and collateral reading of representative works. Freytag, *Karl der Grosse*; Vilmar, *Nibelungen Lied*; Von Richter, *Walter und Hildegunde*; König *Rother*; *Der arme Heinrich*; Thomas' *Anthology*.

*Open to students who have had course 3, 3a or Academy German C.*

5. *History of German Literature to the Nineteenth Century*.—Three hours a week through the first semester.

Study of the principal writers of the Reformation Period.—Development of the German Language.—Lessing and his works. Holzwarth's *German Manual* will be used.

6. *German Romanticism*.—Three hours a week through the second semester. Influence of German philosophers upon the Romantic Movement. Poets of the War of Liberation. Körner's *Zriny*.—Study of the social and political life of the time.

Course 6 is a continuation of course 5.

7. *Gæthe-Schiller*.—Three hours a week throughout the year.

After studying the lives of these two great German poets, their works will be discussed.—Holzwarth's *Gæthe-Schiller Leitfaden* may be used. *Faust* (Part I) and a history of the Faust legend will be studied in the first semester, and Schiller's *Wallenstein*, or *Die Braut von Messina*, or *The Thirty Years' War*, and the *Lyrics and Ballads* in the second semester. Private reading. Lectures in German.

*Course 7 alternates with course 10. Offered in 1908-1909.*

8. *Critical Prose*.—Three hours a week through the year.

Historical, philosophical, economic and journalistic German, largely concerning Germany. Paszkowsky: *Einführung in die Kenntnis Deutschlands*; Tombo, *Deutsche Reden*.

*Prescribed for sophomores in the Historical-Political group. Prerequisite: Course 3 or 3a.*

9. *Scientific German*.—Two hours a week throughout the year.

A course in Elementary Physics, Chemistry and Botany. The course is designed to give a practical, scientific German vocabulary as well as the ability to read rapidly ordinary scientific material. By the end of the course students should be able to read understandingly any ordinary newspaper or magazine article of a scientific nature, and to understand the simple spoken language. Hodge's *Scientific German*; Blochman's *Scientific German*; Readings in current scientific literature.

*Required of sophomores in the Mathematical-Physical group. Prerequisite: Course 3a.*

10. *German Literature in the Nineteenth Century*.—Two hours a week throughout the year.

The development of the German drama will be considered in the first semester and the German novel in the second semester. Lectures and discussions of the representative writers of the century. Selections from Sudermann, Hauptmann, Keller, Baumbach and Scheffel will be read.

11. *Teachers' Course*.—German Pedagogy. One hour a week throughout the year.

First Semester. History of the German language. Lectures will be based upon Behagel's *Deutsche Sprache*, with frequent reference to the best known school grammars. An acquaintance with the older periods of German, though desirable, is not required.

Second Semester. Methods of instruction in German will be discussed. Germany and German life, text-books, and the teachers' equipment will be considered. This course is intended for students who expect to teach German. Each student is required to lecture to the class at least once during the year. Open to graduate students, teachers, and advanced undergraduates who have had at least three years of German. Saturdays, 9.

## **English Language and Literature**

PROFESSOR ENGLE.

1a. *Theory and Practice of English Composition*—Two hours. First Semester.

A careful study of the elements of practical English composition in connection with the writing of long and short themes. Weekly conference with the instructor.

1b. *American Literature*—Two hours. Second Semester.

The history of American literature with reference to the foundational principles underlying its development. Lectures, recitations, and weekly themes from a prescribed reading list. Text: Pattee: *American Literature*; and Wendell: *A Literary History of America*.

2a *Principles of Argumentation*. One hour. Throughout the year.

A study and application of the principles of argumentation. Brief drawing. Leading questions of the day studied and debated in class. Text: Baker's *Principles of Argumentation*, and *Specimens of Argumentation*.

2b *History of English Language*—One hour. Throughout the year.

Lectures, discussions and specially assigned studies in the development of the language.

Lounsbury: *History of English Language*.

3. *History of English Literature*—Three hours throughout the year.

A comprehensive survey of the history of English literature will be given by means of lectures, reference to leading critics and prescribed reading. Moody and Lovett: *History of English Literature*, and Page: *British Poets of the Nineteenth Century*. The reading list for 1908-9 is as follows:

Beowulf (selections); Chaucer: Prologue, Knight's Tale, Nun's Priest's Tale; Malory: King Arthur Books I and II; \*Spenser: *Fairie Queen*, Book I, *Shepherd's Calendar*; Marlowe: *Jew of Malta*; Shakespeare: *As you Like it*, \**Hamlet*, *Richard III*, *Tempest*; Jonson: *Alchemist*; Bacon: *Essays* (selected); Milton: *Paradise Lost*, \**Sonnets*; Dryden: *MacFlecknoe*, *Alexander's Feast*, *Palamon and Arcite*, *Preface to the Fables*; Swift: *Gulliver's Travels*, *Conversation*; Pope: *Rape of the Lock*, *Essay on Man*; Johnson: *Milton*, *Rasselas*; Goldsmith: *She Stoops to Conquer*, *The Traveller*, *The Deserted Village*; Gray: *Elegy*; Burns: *Cotter's Saturday Night* and \*other poems; Lamb: *Essays of Elia* (selected); De Quincy: *Confessions of an Opium-Eater*; Carlyle: *Hero and Hero Worship*; Ruskin: *Sesame and Lillies*; From Page's *British Poets of Nineteenth Century* are studied representative poems of Wordsworth, Coleridge, Scott, Byron, Shelley, Keats, Langdon, Tennyson, the Brownings, Clough, Arnold,

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\*Works marked (\*) are studied in class, other works are read outside and discussed in class.

Rossetti, Morris, and Swinburne. Novels—Scott: *Kenilworth*, Dickens: *Tale of Two Cities*, Thackeray: *Vanity Fair*, and George Eliot: *Adam Bede*, are studied with outlines.

4. *Advanced Theme Course*—Two hours. Throughout the year.

A study of structure in the various forms of composition. Short themes; fortnightly long themes and one thesis will be required. Conferences with the instructor.

5. *English Drama to 1642*—Three hours. First Semester.

This course combines the theory of drama and the history of English drama to the closing of the theatres in 1642. Proper perspective is secured by tracing dramatic development from the time of the Greeks. At the close of the course the main tendencies since 1642 are briefly outlined.

Students are required to read the typical plays of Lyly, Peele, Nash, Green, Marlowe, Shakespeare, Jonson, Beaumont and Fletcher, Webster, and Ford. References are made to the best contemporary dramatic criticism.

Manly: *Specimens of Pre-Shakespearean Drama*.

Woodbridge: *Technique of the Drama*.

[Not given in 1908-9.]

6. *Poetics*—Three hours. Second Semester.

In the course the theories of Aristotle, Horace, Vida, Boileau, Jonson, Sidney, Dryden, Addison, Shelley, Hunt, Coleridge, Hazlitt and Arnold are studied, and poetry is studied technically. Each student prepares his own book of extracts from various poems, and this is made the basis of work in scansion. The aim above all else is to create a love for poetry built upon a sound mental foundation. Gummere: *Handbook Poetics*; Saintsbury: *Loci Critici*. [not given in 1908-9]

7. *Old English*. Three hours, First Semester.

This course aims to give the student an elementary knowledge of English in its oldest forms and to fit him for advanced university work in English philology.

Smith: *Old English Grammar*; Bright: *Anglo-Saxon Reader*.

8. *Middle English*. Three hours. Second Semester.

Extensive reading of Chaucer's: *Canterbury Tales* (edition of Morris and Skeat in Clarendon Press Series.) Students must be acquainted with French; and Old English is desirable for the successful prosecution of the course.

Pollard: *Chaucer Primer*; Emerson: *Middle English Reader*.



9. *The Novel and Literary Criticism*. Three hours. First Semester.

The history and nature of the novel will be studied with an introduction to the principles of literary criticism. (Students will be expected to read the following novels in their chronological order.)

Sidney : *Arcadia*; Bunyan : *Pilgrim's Progress*; Swift : *Tale of a Tub*; Defoe : *Captain Singleton*; Richardson : *Pamela*; Ann Radcliffe : *Mysteries of Uldolpho*; Jane Austen : *Pride and Prejudice*; Scott : *Ivanhoe*; Charlotte Bronte : *Jane Eyre*; Thackeray : *Henry Esmond*; Dickens : *David Copperfield*; Trollope : *Barchester Towers*; George Eliot : *Middlemarch*; George Meredith : *Ordeal of Richard Feverel*; Stevenson : *Treasure Island*; Winchester : *Principles of Literary Criticism*; Perry : *A Study of Prose Fiction*; Cross : *Development of the Novel*.

10. *Shakespeare*. Three hours. Second Semester.

Critical reading of four plays. Rolfe edition will be used. Students will study Dowden: *Shakespeare Primer*, and Lee : *Life of Shakespeare*, and will read ten of Shakespeare's plays outside of class.

## Mathematics and Astronomy.

### MATHEMATICS

PROFESSOR LEHMAN.

1. *Advanced Algebra*—Four hours. First Semester.

Covering ratio and proportion, variation, progressions, the binomial theorem, theorem of undetermined coefficients, logarithms, permutations and combinations, etc. Hawkes' *Advanced Algebra*.

2. *Plane and Spherical Trigonometry*—Four hours. Second Semester.

Definitions of trigonometric functions, goniometry, right and oblique triangles, measuring angles to compute distances and heights. Wentworth.

3. *Analytic Geometry*—Three hours. Throughout the year.

The equations of the straight line, circle, ellipse, parabola and hyperbola are studied, and as much of the higher plane curves and of the geometry of space as time will permit. Tanner and Allen.

4. *Differential Calculus*—Three hours. First Semester.

Differentiation of algebraic and transcendental functions, maxima

and minima, development into series, tangents, normals, evolutes, envelopes, etc. Osborne.

5. *Integral Calculus*.—Three hours. Second Semester.

Integrations, rectification of curves, quadrature of surfaces, cubature of solids, etc. Osborne.

6. *Plane Surveying*.—Three hours. Second Semester.

A study of the instruments, field work, computing areas, plotting, leveling, etc. Wentworth.

7. *Differential Equations*.—Three hours. First Semester.

A course in the elements of differential equations.

Prerequisite, Mathematics 3, 4 and 5. Murray.

8. *Analytic Mechanics*.—Three hours. Second Semester.

Bowser.

Prerequisite, Mathematics 7.

## ASTRONOMY

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PROFESSOR LEHMAN

1. *General Astronomy*.—Four hours. First Semester.

The department is provided with a fine four-and-a-half-inch achromatic telescope equatorially mounted, of which the students make free use. Young.

## History and Political Science.

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PROFESSOR SHENK.

1. *Mediæval and Modern History*.—Three hours. Throughout the year.

A general course prescribed in all the groups. Papers, special reports, and theses, based on available original sources, will be required of all students. Robinson: History of Western Europe: Readings from European History.

2. *English Economic History*.—Three hours. First Semester.

The economic life and development of the English people during mediæval and modern times. Special attention will be given to the manor system, the guilds, growth of commerce, the industrial revolution, the rise of trade unions, and the relation of government

to industry. Cheyney : The Industrial and Social History of England ; Gibbins : Industry in England.

3. *English Constitutional History*—Three hours. Second Semester.

The English Constitution and its historical development. A careful study of important documents will be made. Taswell-Langmeade : Constitutional History of England.

4. *United States Constitutional History*—Three hours. Throughout the year.

A full course covering the colonial and constitutional periods. An extensive reading course of original and secondary sources is required. Channing : Students' History of the United States ; Macdonald : Select Charters ; Macdonald : Select Documents.

5. *Historical and Practical Politics*—Three hours. First Semester

The development of the leading governments of the world, and a comparative study of the same. Woodrow Wilson : The State.

6. *International Law*—Three hours. Second Semester.

A course in the fundamental principles of International Law. Much time is given to the study of important cases.

## **Economics and Sociology**

PROFESSORS SHENK AND RUPP.

1. *Economics*—Three hours. First Semester.

A general course in economic theory, supplemented by consideration of practical current problems. The standpoints of the different schools will be carefully considered, Bullock : Introduction to the Study of Economics.

2. *Current Labor Problems*—Three hours. Second Semester.

A course devoted principally to the important labor problems of the present day : Strikes, labor organizations, employers' associations, arbitration, trade agreement, labor legislation, etc.

3. *Sociology*—Three hours. Second Semester.

This course is intended to give the student a knowledge of the various theories of society together with the place of sociology in the general field of learning.

4. *Sociology*—A study of defective and delinquent classes. For graduates and undergraduates.

5. *Seminar in Sociology*. Subjects to be selected. For graduates and undergraduates.

## English Bible

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PROFESSOR JOHN

1. *New Testament*.—Two hours. Throughout the year.  
Inductive study of the life and teachings of Jesus Christ as contained in the Gospels [1908-1909].
  2. *New Testament*.—Two hours through the year.  
The Acts and Epistles. Attention is given to the geographical and historical incidents in the life of Paul. A careful inductive study will be made of some of the Pauline Epistles [1909-1910].
  3. *Old Testament*.—Two hours. First semester.  
Inductive study of the Old Testament laws [1908-9].
  4. *Old Testament Prophecy I*.—Two hours. First Semester [1907-8].  
*Old Testament Prophecy II*.—Two hours. Second Semester [1908-9].
- Courses 4 and 5 cover Old Testament prophecies. They are studied inductively in their chronological and historical setting.
6. *The Psalms and Old Testament Wisdom*.—Two hours. Second Semester [1907-8].

Hebrew psalmody will be studied as literature and as an expression of the national and religious life of Israel. Proverbs, Job, Ecclesiastes and Lamentations will be taught, with a comparative study of the Apocryphal books, Ecclesiasticus and the Wisdom of Solomon.

## Biology

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PROFESSOR DERICKSON

The courses of instruction cover four years. They are recognized as being as valuable in developing the powers of the mind as the other courses in the college curriculum, in that they develop the powers of observation and thought essential to the understanding of all phases of the phenomena of human existence.

The courses have been outlined with a three fold purpose in view.

First, to meet the demand for a general training in biology, caused by the recently established conclusion among educators, that a knowledge of the principles of biology is not only a useful but an essential factor in any course of training in which social and moral questions are to be considered.

Second, to meet the demand of the high schools for college trained teachers in biology.

Third, to lay a broad foundation in the science for those who desire to pursue post graduate courses in universities and medical colleges.

Students desiring to elect a single year's work in biology are advised to elect 1—b; if two years, 1—a and 1—b or 1—b and 3 and 4, depending on the object in view. Those contemplating a career in medicine, or the profession of teaching biology or a post graduate course in biology, are urged to complete all the courses offered.

### Description of Courses

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*Biology, 1-a Botany.* Four hours. Two lectures or recitations and two laboratory periods of two hours each, each week. Throughout the year. The object of the course is to give the student a broad general knowledge of the plant kingdom. The form, structure and functioning of one or more types of each of the divisions of algae, fugae, liverworts, mosses, ferns and flowering plants, are studied.

Special attention is given to the ontogeny and phylogeny of the several groups suggestive of evolution.

Experiments are performed in the physiological laboratory to determine some of the relations of plants to water, gravitation, temperature and light. Several types of seeds are studied as to their structure, germination and development. The principals of classification are learned by the analysis and identification of representatives of at least-twenty-five orders of spermatophytes.

The laboratory and class room work is supplemented by frequent field trips.

Each student is supplied with a compound microscope, dissecting instruments, note and drawing materials and portfolio.

Required of freshmen in chemical-biological group. Elective for others.

*Biology 1-b. General Biology.* Four hours throughout the year.

To be preceded by course 1 in drawing. Three lectures and two laboratory periods of two hours each, each week.

The principles of biology are learned by making a careful comparative study of representatives of several phyla of plants and animals. In the laboratory particular attention is given to animal forms. The amoeba, euglena, paramoecium, vorticella, hydra, starfish, earthworm, crayfish, grasshopper, mussel and frog are studied. A careful study is made of the embryology of the frog. The process of develop-

ment is closely watched from the segmentine of the egg until metamorphosis takes place. Each student is taught the principles of technic by preparing and sectioning embryos at various stages of development. From these and other microscopic preparations the development of the internal organs is studied.

Each student is required to keep a record of all work done in the laboratory in carefully prepared notes and drawings.

For sophomores in the Chemical-Biological group. Elective for others.

Texts:—Parker's Elementary Biology; Sedgwick and Wilson's General Biology; Holmes' The Frog.

*Biology 2.—Comparative Vertebrate Anatomy.* Four hours throughout the year. Six hours laboratory work and one lecture or quiz each week.

The course consists of the dissection and thorough study of a suctorial fish, a cartilaginous fish, a bony fish, an amphibian, a reptile, a bird and a mammal. Carefully labeled drawings are required of each student as a record of each dissection.

Texts:—Pratt's Vertebrate Zoology, Parker's Zootomy.

Assigned studies in Wiedersheim's Comparative Anatomy and Kingsley's Text-book of Vertebrate Zoology.

*Biology 3.—Vertebrate Histology.* Four hours. Beginning of the year to the end of the first week in March. One lecture, one quiz and five hours laboratory work each week.

The normal histology of the human body is made the basis of the class work. Each student is required to acquire a practical knowledge of all phases of histological technic.

All the tissues as well as the structure of all of the organs of the body are studied. Each student prepares about one hundred and fifty slides.

Text:—Huber's Text Book of Histology, Bohm and Davidoff.

Elective for juniors and seniors.

*Biology 4.—Embryology of Vertebrates.* Second week in March to the end of the year. Two lectures and five hours laboratory work each week. The laboratory work is based on the development of the chick and comparisons made with that of the frog and mammal. A study is made of living embryos at various stages of development. These are later killed by the student and prepared and sectioned for the study of the development of the internal organs. Fully labeled drawings are required.

Texts:—Elements of Embryology, Foster and Balfour.

Elective for juniors and seniors.

## Chemistry.

PROFESSOR BENDER

1. *General Inorganic Chemistry*—Four hours. Throughout the year.

Consisting of three hours lectures and recitations and four hours laboratory work per week. Non-metals, metals, their metallurgy, compounds, theoretical chemistry, modern applications, problems and written exercises.

Conversational lectures with demonstrations. The object of the course is to give the student a comprehensive knowledge of general chemistry and to lay a stable foundation for advanced work in that science.

Newell's Descriptive Chemistry is used as a text during the early part of the course and is followed by Remsen's College Chemistry, which represents the ground covered in the class room and is taken as a guide for laboratory work.

The course presupposes no previous knowledge of chemistry.

2. *Qualitative Analysis*—Four hours First semester.

Pre-requisite Chemistry 1. This course consists of one lecture and eight hours laboratory work per week.

The object of the course is to familiarize the students with the best methods of separating and detecting the metals and acids. The reactions of the general qualitative reagents on solutions of compounds, of the elements, is first studied. The student then classifies the elements into groups, basing the classification on his own experimental work. His accuracy is tested by unknowns at every step.

TEXTS : Dennis and Whittelsey's Qualitative Analysis, Parts of Prescott and Johnson's Qualitative Chemical Analysis. Constant reference is made to Fresenius and other standard works.

3. *Quantitative Analysis*—Gravimetric—Four hours. Second semester.

Pre-requisite Chemistry 2. Theory and practice of quantitative laboratory methods. The work of the course includes one lecture and a minimum of eight hours of laboratory work per week. Accuracy is insisted upon as a first requisite.

This course includes the determination of water of crst, in copper sulphate, barium chloride and magnesium sulphate, preparation of pure salts, determination as oxides of aluminum, copper, nickel, iron, strontium, calcium, lead and zinc, determination of metals as

oxalate, sulphate, sulphide, phosphate, chromate and chloride, complete analysis of several alloys and minerals.

TEXT: Olsen's Quantitative Chemical Analysis.

4. *Quantitative Analysis* — Gravimetric and Volumetric — Four hours. First semester.

Pre-requisite, Chemistry 3. Electrolytic determination of metals, calibration, of flasks, pipettes, bulbs and burettes, acidimetry, standard acids and alkalis. Methods for determination of nitrogen, titration of boric and carbonic acids, oxidation and reduction methods, iodometric methods.

This course may be extended throughout the year, to include the analysis of iron, steel and coal, assay of iron ores, silicates, fertilizers. The flexibility of the course allows the student to do special work.

TEXTS: Olsen's Quantitative Chemical Analysis, Blair's Chemical Analysis of Iron.

5. *Organic Chemistry*—Two hours. Throughout the year.

Pre-requisite, Chemistry 1. One lecture and three hours of laboratory work per week. A study of the principal compounds of carbon. This series of carefully selected experiments illustrate the methods used in preparing the principal classes of carbon compounds and the fundamental reactions involved in their transformations.

TEXTS: Remsen's Organic Chemistry, Orndorff's Laboratory Manual of Organic Chemistry.

Course 5 alternates in years with course 6. Offered 1908-9.

6. *Industrial Chemistry* — Three hours. Throughout the year.

Pre-requisite, Chemistry 1. A careful study of the practical applications of the laws of Chemistry. The course includes a study of the manufacture of artificial fuels, salt, soda, hydrochloric and sulphuric acids, the different kinds of glass, explosives, pigments, porcelain, earthenware, bromine, iodine, leather, sugars, alcohols, oils, gums, resins, varnishes, coal tar products, cement, concrete, coke, fertilizers, paper, textile products. Special metallurgical processes. Comparisons of domestic with foreign methods.

TEXT: Thorp's Outlines of Industrial Chemistry.



## Physics

PROFESSOR BENDER

1. *Advanced Course*.—Three hours. First semester. Mechanics of solids, liquids and gases. Heat. Lectures, demonstrations, recitations, written exercises, problems.

Text: Carhart and Chute's University Physics.

2. *Sound, Light, Magnetism, Electricity*.—Three hours. Second semester. A continuation of Course 1.

3. *Advanced Laboratory Practice*.—One hour. The course consists of four hours of laboratory work per week throughout the year.

Measurements of precision in mechanics. Thermometry, Calorimetry, Optics, Acoustics, Potentiometry, and allied subjects.

Laboratory Guide: A combination of Ames and Bliss' Manual of Experiments in Physics and Nichols' Laboratory Manual of Physics and Applied Electricity will be used.

It is intended that the scope and quality of work done in the above courses shall be such that the students, upon completing them and desiring to take up technical work later, can receive credit for the course in general physics, usually given in the junior year, in an engineering course in any good technical school.

4. Three hours. Throughout the year. This course is open only to those who have completed courses 1, 2 and 3. Extended work in Mechanics, including engineering problems. Applied electricity. The character of the work will be arranged to meet individual needs.

## Education.

PROFESSOR JOHN.

1. *History of Education*—Two hours. First semester,

Beginning with the oriental nations, a survey will be made of the leading systems of education, in connection with the forces which produced them, and their influence upon culture as a whole. Monroe's History of Education is used as a guide. Painter's History of Education, Campayre's History of Pedagogy, and Quick's Educational Reformers will be used as references.

2. *Psychology and Philosophy of Education*—Two hours. Second semester.

Educational principles will be subjected to the test of psychology and philosophy. Texts: Rosenkranz's Philosophy of Education, Harris's Psychologic Foundations, Tompkin's Philosophy of Teaching.

## Department of Oratory and Public Speaking

MISS RUTH E. RIGLER

The art of oratory rests upon certain laws of nature, and it is the purpose of the department to present the work with this aim in view. The value of public speech is recognized and emphasized as a most powerful agency and as an avenue to usefulness.

In the instruction special stress is laid upon originality and the development of individuality. Elocution is taught as the oral interpretation of literature—and a high standard of selections is maintained. The full course consists of three years—including the required year in the College. Students with previous training may finish it in less time.

### Course of Study.

#### *First Year. (Required—Freshman Year.)*

Elocution.—Types of literary interpretation. Principles of expression. Sight Reading, Voice Development, Development of Imagination.

#### *Second Year. (Special work.)*

Tone production, oral exercises, physical culture, emotional development, analysis of standard works, reading and recitation of selections, private work. Dramatic Pantomime, Extemporaneous Speech, Dialect and Monologues.

#### *Third Year. (Special work.)*

Philosophy of expression, history of oratory, melody and speech advanced voice development, dramatic training, characterization, monologues, cuttings from standard authors, oration work, extempore speaking, interpretation of Shakespeare, Browning, etc., private work; Art of criticism, arrangement of programs, public recital word.

### Private Lessons.

Persons who do not desire to graduate or take an entire course may arrange for lessons singly or by the term. In this case the work will be arranged to suit the individual needs of the student

**THE ACADEMY**

**THE FACULTY**

HARRY EDGAR SPESSARD, A.M., *Principal,*  
*Mathematics and English.*

JOHN EVANS LEHMAN, A.M.,  
*Mathematics.*

REV. JAMES THOMAS SPANGLER, A.M., B.D.,  
*Greek.*

HIRAM HERR SHENK, A.M.,  
*History.*

SAMUEL HOFFMAN DERICKSON, M.S.,  
*Zoology.*

JOHN SMITH SHIPPEE, A.M.,  
*Latin.*

ANDREW BENDER, A.B.,  
*Physics.*

M. EDNA ENGLE, A.M.,  
*English.*

EDWARD M. ROEDER, A.M.,  
*German.*

FLORENCE BOEHM,  
*Drawing.*

MILTON OSCAR BILLOW,  
*Instructor in English.*

AMOS B. MOYER,  
*Instructor in English History.*

ROY J. GUYER,  
*Instructor in Latin.*

RUTH RIGLER,  
*Public Speaking.*

## Lebanon Valley Academy

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The Academy was established in 1866. For forty-two years it has cherished the ideals of full and accurate scholarship, and the development of character that fits one for the largest service to society. From its inception college preparation has been its main purpose. But its curriculum has been well adapted to the needs of those who have entered immediately on practical life or professional study.

The Academy is an integral part of the College and profits by the proximity of students engaged in higher studies; by the ready access to the library, athletic field, literary societies, dormitory and laboratory privileges and by the facility in combining courses of study in the Academy with others in the College and Conservatory.

Its instructors have been chosen with reference to the above named ideals and mutual confidence and service have been maintained between faculty and students.

### Admission

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The applicant should be at least twelve years of age. It is desirable that he shall have completed the ordinary common school branches. Classes however are sometimes formed in language, arithmetic, history, and geography when deemed necessary. In general it is for the student's advantage to enter in September, or less preferable at the beginning of the second half year. However the applicant usually finds enough work if he should enter at any time.

Each student for admission shall bring with him a certified statement of work done in the school last attended. Credit will be given for work thus certified. Should an applicant fail to present this certificate, he shall take an informal examination in the common school branches. He will then be assigned work at the discretion of the Principal. No student will be admitted until his registration is completed at the office, room number one.

### Examinations

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Examinations are held at the close of each half year. At this time reports are sent to parents or guardians. More frequent reports are sent when requested by parents. In the Academy records, A

signifies excellent ; B, very good ; C, fair ; D, low but passing ; E, conditioned ; F, failing ; R, repeat in class. An "E" record may be removed by a test on any part of the course in which the record is poor ; an "F" record may be removed by an extended examination on the payment of a special fee of two dollars.

## Absences

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If, in any semester, a student have two absences in any subject he shall either take a test on the subject matter passed over in his absence or by doing specially assigned work satisfy the professor in charge that he has a creditable knowledge of the work passed over. If the two absences in question are unexcused the student shall take the test and pay a fee of one dollar. For detailed information, see the absence rules of the College.

## Courses Offered

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In the first semester classes are formed in  
English a, b, c, and d.

Algebra, Elementary and Intermediate.

Geometry, Plane.

Advanced Algebra.

History of Greece.

History of United States and England (alternating years).

Latin—First year, Caesar, Cicero and Virgil.

Greek—First year.

German—First, second and third years.

Physics.

Zoology.

Freehand and mechanical drawing.

In the second semester new classes are formed in :

Civics.

Zoology.

Roman History.

English Classics.

## Outline of Courses

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CLASSICAL		SCIENTIFIC	
JUNIOR		JUNIOR	
Latin . . . . . a	5	Latin . . . . . a	5
English . . . . . a	3	English . . . . . a	3
Mathematics . . . . . a1	4	Mathematics . . . . . a1	4
Drawing . . . . .	1	Mathematics . . . . . a2	4
Mathematics . . . . . a2	4	Drawing . . . . .	1
Mythology . . . . .	1	Mythology . . . . .	1
LOWER MIDDLE		LOWER MIDDLE	
Latin . . . . . b	5	Latin . . . . . b	5
English . . . . . b	3	English . . . . . b	3
History . . . . . d } History . . . . . c }	3	History . . . . . d } History . . . . . c }	3
Mathematics . . . . . b	3	Mathematics . . . . . b	3
German . . . . . a	5	German . . . . . a	5
UPPER MIDDLE		UPPER MIDDLE	
Latin . . . . . c	5	Latin . . . . . c	5
English . . . . . c	4	English . . . . . c	4
Mathematics . . . . . c	4	Mathematics . . . . . c	4
German . . . . . b	5	German . . . . . b	5
Declamation . . . . .	1	Declamation . . . . .	1
SENIOR		SENIOR	
Latin . . . . . d	4	Latin . . . . . d	4
English Classics . . . . . d	2	English Classics . . . . . d	2
Greek a or . . . . .	4	German . . . . . c	4
German c . . . . .	4	Mathematics . . . . . d	4
Mathematics . . . . . d	4	Science . . . . . d	4
Science . . . . . d	4	Science . . . . . c	4
Science . . . . . c	4	History . . . . . b	2
History . . . . . b	2		

NOTE—Any substitution or change in these courses must be approved by the faculty. Higher Algebra, Trigonometry and Chemistry may be elected, but can not be substituted for the list of units required in the detailed outline of courses.

## DESCRIPTION OF COURSES

### English

(a) *Junior English*—Three hours. Throughout the year.

Vision of Sir Launfal, The Ancient Mariner, A Tale of Two Cities, Deserted Village, Irving's Sketch Book, oral and written themes based on the student's experience. Capitalization and punctuation. Unity and coherence in the sentence and composition, and function of the paragraph.

(b) *Lower Middle English*—Three hours. Throughout the year.

Pilgrim's Progress, Merchant of Venice, Silas Marner, Gareth and Lynette, Launcelot and Elaine, The Passing of Arthur, DeCoverley Papers. Grammar—the verb, phrases, clauses and connectives. Short themes in Narration and Description.

English (a) and (b), one and one-half units.

(c) *Upper Middle English*—Three hours. Throughout the year.

Joan of Arc, The English Mail Coach (De Quincy), Julius Cæsar. McCauley's Essay on Addison, Carlyle's Essay on Burns. Infinitives and participles, composition and rhetoric (Spalding). Themes, emphasizing the study of diction; synonyms and antonyms; specific and general terms; words frequently confused.

(d) *Senior English*—Two hours. Throughout the year.

Milton's Minor Poems, Burke's Speech on Conciliation with America, Macbeth, Franklin's Autobiography. Idiomatic and elliptic expressions. Argumentation and exposition. Themes.

English (c) and (d) one and one-half units.

### Latin

(ä) *Junior Latin*—Five hours. Throughout the year.

First year Latin, Moore and Schlicher.

Fabulae Faciles. One unit.

(b) *Lower Middle Latin*—Five hours. Throughout the year.

Cæsar, Books I.-IV. Composition based on the text.

Bennett's Grammar. One unit.

(c) *Upper Middle Latin*—Five hours. Throughout the year.

Cicero, six orations. D'Oge's Composition based upon the text.

Bennett's Grammar. One unit.

(d) *Senior Latin*—Two hours. Throughout the year. Virgil's *Aeneid*. Prosody, sight translation. One unit.

One hour of mythology is a necessary requirement for a full unit in any first year language.

## German

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(a) *Elementary Course*.—Five hours a week throughout the year. The first year's work includes the mastering of the principles of pronunciation, of inflections, of the gender and declension of common nouns, and of the meaning and principal parts of the common weak and strong verbs, the turning of simple English sentences into German, the memorizing of a few German poems, and the translation into English of from 150 to 200 pages of easy German prose, such as is found in Grim's *Märchen* and Leander's *Träumereien*. Spanhoofd's *Lehrbuch der Deutschen Sprache*.

*Required in second year of all students preparing for all groups except classical.*

(b) *Advanced Elementary Course*.—Five hours a week throughout the year. The second year includes the reading and translation of moderately difficult prose (about 400 pages) with accompanying practice in free reproduction, both oral and written, of the substance of short and easy selected passages, with exercises in German composition. Selections from Hauff, Heyse, Storm, Stern and Benedix. Wesselhoeft's *Composition*.

*Required in third year of students preparing for all groups except classical.*

(c) *Intermediate Course*.—Four hours a week throughout the year. Review of grammar; composition; reading and conversation. Bierwirth's *Elements of German*, von Jagemann's *Composition and Syntax*, and reading of modern prose, narrative and dramatic, with practice in free reproduction; original themes. Selections from Riehl, Freytag and Schiller.

*Open to students who have had Courses A and B or equivalents. Prescribed for Freshmen in all groups (except classical) who do not offer third year German at entrance. College credit is given for German C in 1908-1909. (See statement of College German, page 35, Course 3a.)*



## Greek

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(a) *Greek*—Four hours. Throughout the year. White's First Greek Book.

In as much as only one year of Greek is now offered in the Academy, classical students are expected to have at least German (a) and (b).

## Mathematics

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(a<sup>1</sup>) *Arithmetic*—Four hours. Throughout the year. A special drill in fractions, percentage and the metric system. Junior year, one-half unit.

(a<sup>2</sup>) *Algebra*—Four hours, Throughout the year. The equivalent of Wentworth's Elementary Algebra as far as Quadratics-Graphs. Junior year. One-half unit.

(b) *Algebra*—Three hours. Throughout the year. Wentworth's Elementary Algebra is completed. Lower middle year. One-half unit.

(c) *Plane Geometry*—Four hours. Throughout the year. Wentworth is the text used. Much time is given to original problems. Upper middle year. One unit.

(d) *Solid Geometry*—Four hours. Second semester. Text, Wentworth. One-half unit.

(e) *Advanced Algebra*—Four hours. First semester. One-half unit.

*Trigonometry*—Four hours. Second semester. Both subjects are elective. One-half unit.

## Science

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(c) *Zoology*—One semester.

Two recitations, lectures or quizzes and two laboratory periods of two hours each, each week.

The object of the course is to give the student a general knowledge of the animal kingdom. Types of all the phyla are studied in the laboratory and notes and drawings prepared. Numerous examples of the orders are used for demonstration. Topics requiring investigation in the field are assigned and reports required.

The course embraces the work in elementary biology outlined by the committee on college entrance requirements.

Text : Elementary Zoology, Kellogg. One unit.

### **ELEMENTARY PHYSICS (Science d)**

1. Four hours. Throughout the year. Mechanics of solids, liquids and gases, heat, light, magnetism, electricity. Conversational lectures, illustrated by experiments and the lantern. Recitations. Weekly written exercises, corrected in detail. Problems illustrating the laws and principles of physics.

The aim of the course is to acquaint the student with the phenomena and laws of the physical world; to cultivate a love for physical science, and to prepare for more advanced work in Physics.

No previous knowledge of Physics is required for admission to the course.

Text : Milliken and Gale's First Course in Physics.

2. *Elementary Laboratory Practice*.—Two hours laboratory work per week throughout the year. The student acquires skill in the manipulation of physical apparatus and in making measurements of physical quantities. Careful work is insisted upon, and the student's work must be approved before leaving the laboratory. Accurate and neatly written notes must be handed in at regular times. About sixty-five standard experiments are required, with an additional optional number. The National Physics course is followed.

## **History and Civics**

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(b) *English and Civics*.—Two hours. Throughout the year. Senior year. One unit.

(c) *Grecian*.—Three hours. First semester.  
Myers' Ancient History. Lower middle year. One-half unit.

(d) *Roman*.—Three hours. Second semester.  
Myers' Ancient History. Lower middle year. One-half unit.

## **Free-Hand Drawing**

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The work consists of drawing from simple objects, and then groups of objects.

Light and shade are subsequently taken up. The subject receives a quarter-unit of credit. The class meets once a week.

### **Mechanical Drawing**

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Introductory work in complex geometric figures. Projective drawing. The work prepares for engineering courses. One-fourth unit.

### **Elocution**

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One hour a week is devoted to declamations and the rudiments of vocal expression and interpretation of the best English classics.

One-fourth unit.

### **Election of Studies**

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While there are two definitely prescribed courses in the Academy, there is considerable room for election of courses that have special value to students intending to specialize.

The Principal advises the students what subjects are fundamental to professional and engineering courses.

### **Graduation**

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The required credit for graduation, as outlined in the Classical and Scientific Courses, is sixteen units. Provided that the student shall have completed at least the three units in Mathematics, the three units in English, four units of Latin, two units of German, one laboratory science, and one unit of history.

In general the pursuance of a four or five-hour subject per week per year constitutes a unit. Corresponding credits are given for recitations reciting fewer times per week. However, all credits are based upon the report of the committee of the Association of Teachers of Secondary Schools. In short, the completion of seventy-two hours of work as above outlined entitles the student to a diploma of graduation. If said student desires to continue work in Lebanon Valley College he shall arrange his work so as to meet the entrance requirements for the several courses.

### **Sub-Preparatory Course**

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Sometimes students of mature age come to us not fully prepared to enter the Academy. They have for various reasons attended

school but a short time and find it embarrassing to enter the public schools with scholars so much younger than themselves. For these we make provision. However, at least sixteen hours of regular Academy work is required for classification.

Arithmetic, U. S. History, Grammar, Book-keeping, and Elementary Physiology are *positive* requirements for academic registration.

### **Facts to be Considered**

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A one hundred dollar scholarship is awarded each year to the Academy graduate who has, according to the vote of the Faculty, made the best class record and departed himself in accordance with regulations.

Academy students are admitted to all social privileges of the College. Excellent opportunities are offered for self improvement in the Literary societies and Christian associations.

### **The Normal Department**

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The object of the Normal Department is to give special instruction to young men and women who desire to teach in our public schools.

All the fundamental branches in which teachers are required to be examined are systematically and thoroughly reviewed and daily instruction is given in the principles of teaching and the art of school management.

The work in this department is continued throughout the year. During the spring term, which begins about the time public schools close, special teachers are employed to accommodate the increasing numbers. These teachers are the best public school teachers obtainable who know just what points to emphasize in preparation.

**DEPARTMENT OF MUSIC**

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**Faculty**

HERBERT OLDHAM, F.S.SC., DIRECTOR, LONDON,  
*Piano, Organ, Etc.*

FLORENCE A. ROACH,  
*Voice*

EDWARD M. ROEDER, A.M.,  
*German*

JOHN SMITH SHIPPEE, A.M.,  
*French*

RUTH E. RIGLER, B.I.,  
*Elocution*

FLORENCE M. BOEHM,  
*Painting, Drawing*

**Location and Equipment**

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THE ENGLE MUSIC HALL is a handsome three-story stone structure. It contains a fine auditorium with large pipe organ, director's room, and nine practice rooms, waiting and writing room for student's use, large society rooms, lavatories, etc. The whole building is lighted by electricity and heated by steam, and designed and furnished with a view to having it complete in every respect for the study of music in all its branches. A complete musical education from the very first steps to the highest artistic excellence may be secured. The director will use every effort to obtain positions for those students who have finished the courses, and who may wish to teach or perform in public.

**Object**

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The department has for its object, the foundation and diffusion of a high and thorough musical education. The methods used are those followed by the leading European conservatories. The courses are broad, systematic, progressive, and as rapid as possible, and the conservatory offers the means for a complete education in musical art at a moderate cost.

**Herbert Oldham, Director**

Director Oldham was born near London and educated there. He was choir boy in Christ Church Cathedral from the age of six years to that of seventeen. Studied the pianoforte, harmony, pipe organ, and voice, under Sir R. P. Stewart. After completing the academic course in Trinity College, Dublin, he studied pipe organ and composition with Sir John Stainer, organist of St. Paul's, London, the pianoforte with Sir Walter McFarren, of Cambridge University, and voice training with Signor Randegger, London. Later he went to Frankfort, where he studied under Joachim Raff; from there to Paris, studying under Emil Haberbier. In 1883 Professor Oldham toured through the United States as solo pianist to Camilla Urso, playing in two hundred and ninety-seven cities and towns. He then located in Toledo, Iowa, as director of the conservatory of Western College. Later he lived in Lincoln, Nebraska, and left Le Mars, Iowa, to take the direction of Lebanon Valley College Department of Music.

**Miss Florence A. Roach**

Miss Roach, a diploma pupil of Madame Pittoria Coppi Baldisseri, of Florence, Italy, is well equipped for her position as instructor of voice. Upon her graduation from High School she entered De Pauw University, Greencastle, Indiana, and after a course of study in the academic and music departments there, she went abroad with one of her teachers for more advanced work. While abroad Miss Roach studied in Florence, Italy, with Madame Baldisseri of the famous Marchesi School, and aside from the development of her own voice she made a specialty of studying the placement and tone production of different voices under the personal training of Madame Baldisseri. Upon her return to America Miss Roach accepted the position as vocal instructor in Albany College, Albany, Oregon. From there after another course of study of tone production and oratorio with the Masters, Grosh and Dr. Allum, of Chicago, she took up her work in Lebanon Valley. Miss Roach has appeared in concert work throughout the East and West and has always been prominent in glee and choir work.

**Pianoforte**

The course is divided into sixteen grades, equalling four grades per annum for four years work. A comprehensive study of the standard literature of instructive piano work is absolutely necessary to the piano student and these are studied through the various grades.

The new school of studies edited by Carl Thumer and published in sixteen grades, along with Koeler's and Plaidy's Technical Exercises are the basis for the technical and etude work through all the grades.

### Voice

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It is the aim of this department to build up the voice, beginning with the simplest forms of pure tone production and proceeding systematically to advanced vocalization. Perfect breath control, relaxation and correct tone placing are the cardinal points in voice culture, and these are carefully and rigidly insisted upon. Phrasing, enunciation and resonance are also given important consideration in the course. Special attention is paid to the needs of individual voices, and the studies are varied accordingly.

### Organ

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The Director has had twenty-five years' experience as concert and church organist, and has studied and played in Great Britain, Germany and the United States.

The student must be advanced to at least the sixth grade in the pianoforte course before taking up the study of the organ.

The course prepared is based on the best methods of England, France and Germany, and with a view to educating the student in the most thorough manner. Special attention is given to the proper modes of service playing, organ accompaniments, etc., as well as concert or recital playing.

### Harmony Course

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Is based on Brockhoven's Harmony and occupies four terms' work. It is taught in classes, but backward students can arrange for private lessons.

### Theory Course

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Is based on Elson's Theory and occupies three terms' class work.

### History Course

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Is based on Reimann's History of Music and Filmore's Lessons in Musical History, and occupies three terms of class work.

Send to the Director for separate catalogue of the Department of Music containing the complete courses in all branches.

LECTURES.—There will be lectures on musical history each

term, and all regular students of the departments will be required to attend them.

CONCERTS.—Recitals and concerts by the students, the Faculty, or leading artists, will be held at stated intervals throughout the year.

## **Certificates**

### REQUIREMENTS FOR CERTIFICATES

Complete course in pianoforte or in any of the other subjects, viz: voice, violin, harmony, theory or history.

Fee for certificate, \$2.50.

## **Diplomas**

### REQUIREMENTS FOR DIPLOMAS

Complete selected course, viz: piano, organ, violin or voice.

In case of piano or organ student, three terms voice. In case of voice student, three terms piano. Complete courses in harmony, history and theory. Three terms each in chorus class, English, grammar, rhetoric and composition, literature, French or German.

Free tuition in any one of the literary studies. Each candidate to give a public recital during last term.

Fee for diploma, \$5.75.

## **Degree**

### REQUIREMENTS FOR DEGREE (Mus. B)

Candidates must already have taken a diploma.

Must have freshman standing in any of the College courses.

Two years, fugue, harmony, counterpoint and composition.

Must write a composition for four solo voices and chorus, to occupy about twenty minutes, and must train, rehearse and conduct the same for public performance.

Fee for degree, \$10.00.

## **Examinations**

All students taking any of the regular music courses, will be compelled to take the various examinations the second week of April. These examinations are for entrance in the various classes (sophomore, junior and senior) the following September. All senior students must take their final examinations at the same time.

These will be held in the College chapel, and are for performance, not theory. A list of the various studies, selections, etc., can be obtained at any time from the Director.



## Expenses

PRIVATE LESSONS.	Fall Term	Winter Term	Spring Term
Voice, Piano, or Reed Organ, Two a week, by Director.	\$22 50	\$18 00	\$16 50
Voice, Piano, or Reed Organ, One a week, by Director.	11 25	9 00	8 25
Harmony,	15 00	12 00	11 00
Pipe Organ, Two a week,	30 00	24 00	22 00
Pipe Organ, One a week,	15 00	12 00	11 00
CLASS LESSONS.			
Harmony, One lesson a week,	\$7 50	\$5 00	\$5 00
Theory, One lesson a week,	3 00	3 00	3 00
Musical History, etc., One lesson a week,	3 00	3 00	3 00
USE OF INSTRUMENTS.			
Piano, One hour a day,	\$2 50	\$2 00	\$2 00
Pipe Organ, One hour a day,	3 00	2 50	2 50

Students taking a full music course are charged a matriculation fee of \$3.00 for the year, payable in advance. This fee entitles student to all privileges of the College.

Students taking piano, organ, or voice only are charged a matriculation fee of \$1.00 payable in advance.

Pipe organ students must pay at the rate of 10 cents an hour for organ blower.

Fee for graduation diploma, \$5.75

**RULES AND REGULATIONS.**—No reduction is made for absence from the first two lessons of the term, nor for a subsequent individual absence. In case of long continued illness the loss is shared equally by the College and the student.

All tuition is payable in advance.

Pupils may enter any time, but for convenience of grading, etc., the beginning of each term is the most desirable time.

All sheet music must be paid for when taken.

No pupil is allowed to omit lessons without a sufficient cause.

Reports showing attendance, practice, and improvement in grade, will be issued at the close of each term.

For all further information as to any particular course, or combination of courses, rooms, boarding, etc., address

DIRECTOR OF THE CONSERVATORY,  
LEBANON VALLEY COLLEGE,  
ANNVILLE, PA.

## Department of Art

FLORENCE S. BOEHM, INSTRUCTOR

### Course of Study for Certificate

*First Year*—Drawing, Sketching in pencil of various familiar subjects, and drawing from geometric solids, good examples of proportion and perspective, and the principles of light and shade.

PAINTING—Flowers, fruit and leaves, models, casts and familiar objects. Elementary original composition.

MODELING—Fruit, vegetable forms and leaves from casts and nature; animals from the cast and prints. Elementary original composition.

*Second Year*—Charcoal drawing from casts of heads. Painting in water colors and pastels from groups of still life, interiors, decorative subjects, flowers, draperies, and out of door sketching.

*Third Year*—Sketching from life. Painting in oils from still life and nature. Wash drawings in ink, water color, historic ornament. Studies in color harmony.

*Teacher's Class*—Principles and methods of drawing, modeling, blackboard drawing, lettering, brush work, sketching from life and water color.

Saturday work is offered for teachers and children who cannot take work during the week.

*Keramics*—Classes in china painting are instructed by the latest methods in conventional and naturalistic treatment. The china is fired in the institution, giving students an opportunity for learning how to fire their own china.

*Miniature*—Miniature painting on ivory.

Students who do not desire the certificate course may take special work along any line preferred.

### Art Exhibit

During commencement week an exhibit of some of the work done in the department is held in the studio, at which all visitors are welcomed and entertained by members of the department.

A prize of \$2.00 will be awarded for the best work in each of the following branches: pencil, charcoal, china, pastel, and water color.

### Expenses

	FALL TERM	WINTER TERM	SPRING TERM
TUITION—One lesson a week . . . . .	\$10 00	\$ 8 00	\$ 8 00
Two lessons a week . . . . .	16 00	12 00	12 00
Children's beginning class . . . . .	2 50	2 00	2 00
Children's advance class . . . . .	4 00	3 00	3 00
Special lessons . . . . . 75 cents each.			
Matriculation fee . . .			\$1.00

**REGISTER OF STUDENTS****The College****GRADUATE STUDENTS**

Adams, Robert T. . . . .	Lebanon
Balsbaugh, Edwin M . . . . .	Lebanon
Erb, Elmer E. . . . .	Hockersville
Esbenshade, Park F. . . . .	Bird-in-Hand
Hershey, Ruth M. . . . .	Hershey
Graybill, Robert B. . . . .	Annville
Mills, Alfred Keister . . . . .	Annville
Plummer, F. Berry . . . . .	Shippensburg
Sprecher, John H. . . . .	Lebanon
Waughtel, Samuel H. . . . .	Red Lion

**SENIORS**

Appenzellar, Joseph Lester . . . . .	Chambersburg
Billow, Milton Oscar . . . . .	Shermansdale.
Courson, Della . . . . .	New York City
Fisher, Byrt W. . . . .	Lancaster.
Guyer, Roy Jones . . . . .	Shippensburg
Hartz, Roger Sherman Blaine . . . . .	Palmyra
Knaub, Neda A. . . . .	Annville
Kreider, Sallie Wenger . . . . .	Lebanon
Lehn, Homer M. B.. . . . .	Annville
Linebaugh, Norman Lester . . . . .	Florin
Long, Samuel Burman . . . . .	Hay's Grove
Mease, Oliver . . . . .	Onset
Morgan, Rufus E. . . . .	Valley View
Oldham, Stanley Reginald . . . . .	Annville
Shoop, Charles Wilson . . . . .	Harrisburg
Wilder, Henry L. . . . .	Hingham, Mass.
Zuck, Alice M. . . . .	Annville

**JUNIORS**

Dotter, Charles G. . . . .	Annville
Flook, Albert Daniel . . . . .	Myersville, Md.
Hoerner, Lena Mae . . . . .	Mechanicsburg
Hoffer, George Nissley . . . . .	Hummelstown
Lindsay, A. M. . . . .	Steelton

Lowery, Grace Burtner . . . . .	Harrisburg
Mills, A. Lucile . . . . .	Annville
Moyer, Amos B. . . . .	Sunbury
Richter, George M. . . . .	Halifax
Spessard, Walter V. . . . .	Annville
Stehman, J. Warren . . . . .	Mountville
Weidler, Deleth Eber . . . . .	Allentown
Yeatts, Edna D. . . . .	York

**SOPHOMORES**

Andrew, Harry W. . . . .	Strasburg
Bair, Grover Cleveland . . . . .	Belleville
Bomberger, Harry K. . . . .	Lebanon, R. F. D. 7
Fleming, Mervin R. . . . .	York
Freed, Edith Nissley . . . . .	Annville
Garrett, E. Myrtle . . . . .	Hummelstown
Harnish, Wilbur E. . . . .	Mechanicsburg
Jacoby, John Edward . . . . .	York
Kohler, Fillmore T. . . . .	Yoe
Kreider, D. Robert . . . . .	Annville
Musser, Mary B. . . . .	Mountville
Renn, Earl E. . . . .	Middletown
Rutherford, F. Allen . . . . .	Royalton
Seltzer, Lucy S. . . . .	Lebanon
Shaffer, Floyd E. . . . .	Lebanon
Strock, J. Clyde . . . . .	Mechanicsburg
Weidler, Victor O. . . . .	Allentown
Yoder, Jesse T. . . . .	Belleville

**FRESHMEN**

Beckley, Arthur S. . . . .	Mont Clare
Beckley, Carrie May . . . . .	Lebanon
Brunner, William Albert . . . . .	New Bloomfield
Ehrhart, Oliver T. . . . .	Millersville
Ellenberger, Joseph . . . . .	Annville
Ellis, William O. . . . .	Annville
Frost, Fred T. . . . .	Lebanon
Herr, Harvey Elmer . . . . .	Annville
Herr, Mabel S. . . . .	Annville
Holdeman, Phares M. . . . .	Bellegrove
John, Dwight T. . . . .	Annville
Kauffman, Artus O. . . . .	Dallastown
Lehman, S. Blaine . . . . .	Chambersburg

Lehman, John Karl . . . . .	Annville
Marshall, Edward . . . . .	Annville
Plummer, Charles W. . . . .	Hagerstown, Md.
Plummer, Wilbur Clayton . . . . .	Hagerstown, Md.
Saylor, Roger B. . . . .	Annville
Shoop, William Carson . . . . .	Annville
Smith, Herbert Alvin . . . . .	Birdsboro
Spessard, Earl A. . . . .	Annville
Strickler, Alfred Desch . . . . .	Lebanon
Yake, Elmer E. . . . .	Annville

**UNCLASSIFIED**

Boger, John . . . . .	Lebanon
DeLap, D. F. . . . .	Bendersville
Funderburk, Joseph V. . . . .	Columbia, S. C.
Keister, M. LaVerne . . . . .	Annville
Light, E. Victor . . . . .	Annville
Light, Harrison . . . . .	Annville
Loos, Anna . . . . .	Berne
Lutz, Alice Katherine . . . . .	Shippensburg
Miller, Catherine . . . . .	Lebanon
Nissley, Mabel H. . . . .	Hummelstown
Oldham, Cecelia . . . . .	Annville
Oldham, Constance . . . . .	Annville
Rigler, Margaret Louise . . . . .	Annville
Roeder, Arthur . . . . .	St. Louis, Mo.
Smith, George Mark . . . . .	Annville

**The Academy**

J.—Junior	U. M.—Upper Middle	L. M.—Lower Middle
	S.—Senior	U.—Unclassified
Andes, Harry, L. M.		*Ellenberger, Joseph, S.
Barnholt, J. H., U.		Ellis, Ruth, U.
Bender, Harry M., U. M.		Engle, Esther, S.
Biever, Walter, J.		Engle, Elizabeth, S.
Bodenhorn, Flwood, U.		Fasnacht, Irene, U.
Boltz, Kathryn, U.		Fink, Maurice, U.
Brightbill, Helen, U.		Gantz, Lillian, U.
Brunner, Ruth, U.		Goodhart, Fred E., U.
Carmany, Earl H., S.		Goodman, W. G., U. M.
Deibert, James R., U. M.		Gruber, A. May, J.

Heffelfinger, Victor M., U. M.	Riegle, Minnie May, J.
Henry, Louise, U.	Riegle, Ralph R., J.
Henry, Martha B., S.	Risser, Blanche M., J.
Hershey, Catherine, S.	Savastio, Leonard, U. M.
Holtzman, Mark G., J.	Shaud, Albert, U.
Keister, Donald C., S.	Shaud, Milton, U.
Kreider, Aaron S., S.	Shaud, Sallie, U.
Kreider, A. Louise, S.	Smith, Frederick Suesserot, S.
Kreider, Clement, U.	Snavely, Julia, J.
Kreider, Edward Landis, U. M.	Snyder, Lester E., U.
Lehman, Edith M., U. M.	Snyder, Verda A., S.
Light, Boaz, U. M.	Spangler, Ruth Fern, U.
Light, Carrie E., S.	Spessard, Lester L., S.
Light, Jessie G., S.	Spessard, Lottie May, U. M.
Long, Nora, U.	Steininger, Samuel I., J.
Loser, Earl, U.	Steckbeck, Grant B., L. M.
Loser, Paul, U.	Swope, W, M., U.
*Marshall, J. Edward, S.	Walmer, Harry Keim, J.
Maulfair, Mary E., U.	Walter, J. Allen, J.
McCurdy, Charles E., L. M.	Wert, Mark, U. M.
Miller, C. Wallace, J.	Weston, Warren Knight, U.
Miller, Helen E., U.	Witmeyer, Carrie, U.
Moechel, Felix Forest, L. M.	Winemiller, Geo. Bowman, L. M.
Mutch, Edward, S.	Woolf, Edna, U.
Nye, Carrie, U.	Woolf, Herbert, U.
Ohnmacht, John S., J.	*Yake, Elmer E., S.
Reilly, Edith A., U. M.	Yarkers, Edna, M.
Reist, Irvin, U.	Yingst, John C., J.
	Zuck, Alfred Tennyson, U. M.

\*Entered Lebanon Valley College

### NORMAL DEPARTMENT--1907

Artz, Stella K. . . . .	Lebanon
Bachman, Harry M. . . . .	Lebanon
Baccastow, Mary M. . . . .	Palmyra
Bender, Harry M. . . . .	Annville
Bomgardner, Lizzie E. . . . .	Lebanon
Bohr, Matilda M. . . . .	Cornwall
Bomberger, Paul S. . . . .	Palmyra
Brandt, Edna M. . . . .	Lebanon
Cassel, J. Herbert . . . . .	Grantville
Daniels, Emma H. . . . .	Lebanon

REGISTER OF STUDENTS

Donmoyer, Thomas F. . . . .	Lebanon
Early, Henry H. . . . .	Palmyra
Ensminger, Harvey . . . . .	Annville
Fasnacht, Daniel F. . . . .	Campbellstown
Fry, Hannah Gertrude . . . . .	Palmyra
Forney, Harry S. . . . .	Lebanon
Goss, Dorothy B. . . . .	Middletown
Goss, Myra A. . . . .	Middletown
Groh, Ida . . . . .	Heilmandale
Hartman, Clara . . . . .	Lebanon
Hartz, Ira G. . . . .	Palmyra
Heagy, Ray Forrest . . . . .	Palmyra
Heilman, William J. . . . .	Cleona
Heilman, George E. . . . .	Cleona
Heilman, Katharine . . . . .	Lebanon
Henning, Minnie . . . . .	Gloninger
Hetrick, Mary R. . . . .	Crantville
Hetrick, Minnie M. . . . .	Grantville
Himmelberger, Abraham M. . . . .	Heilmandale
Hostetter, Cyrus G. . . . .	Annville
Knoll, Harry W. . . . .	Annville
Koons, Miles B. . . . .	Lebanon
Kreider, Isaac G. . . . .	Lebanon
Kreider, Sarah . . . . .	Cleona
Lehman, Clayton G. . . . .	Campbelltown
Light, Victor E. . . . .	Annville
Light, Bertha G. . . . .	Lebanon
Light, Martin G. . . . .	Lebanon
Light, Grace E. . . . .	Avon
Light, Katie M. . . . .	Annville
Light, Alice L. . . . .	Lebanon
Light, Harrison B. . . . .	Annville
Light, Milo . . . . .	Annville
Light, Boaz G. . . . .	Avon
Maulfair, Arthur A. . . . .	Lebanon
Meyer, Irvin C. . . . .	Annville
Moyer, Morris M. . . . .	Palmyra
Nye, Carrie E. . . . .	Annville
Olewine, Sallie M. . . . .	Myerstown
Rank, Edna L. . . . .	Palmyra
Rank, Kathryn A. . . . .	Palmyra
Rank, Fanny . . . . .	Lebanon

Reist, Allen E. . . . .	Lebanon, R. F. D. 1
Shock, Margaret C. . . . .	Mount Zion
Shanaman, Olive K. . . . .	Lebanon
Shelly, D. O. . . . .	Annville
Sherk, John E. . . . .	Fredericksburg
Sholl, Ada May . . . . .	Fredericksburg
Snavely, George J. . . . .	Cleona
Snavely, Julia . . . . .	Cleona
Spangler, Abner C. . . . .	Lebanon
Sprecher, Mabel M. . . . .	Lebanon
Swanger, Mary E. . . . .	Lebanon
Swope, Paul J. . . . .	Fredericksburg
Troxel, Mary C. . . . .	Jonestown
Umberger, Morris M. . . . .	Lebanon
White, Caleb . . . . .	Lebanon
Yiengst, Levi . . . . .	Mount Zion

### Conservatory Students

P.—Piano            O.—Organ            V.—Voice            H.—Harmony  
 T.—Theory            Hi.—History            G.C.—Glee Club

Altenderfer, Mrs. W., O.	Frantz, Edith, V.H.
Bender, H., V.	Freed, Edith, O.H.
Beckley, Carrie, O.H.T.Hi	Frost, Fred, G.C.
Bomberger, Emma, P.	Gantz, Mary, P.H.
Boehm, Lyda, P.T.	Gallagher, Nellie, P.
Booth, Alta, V.	Gambler, Lydia, V.
Bowman, Margaret, V.	Garber, Mae, P.V.
Brant, Adam, V.	Gemmi, Lillian, P.
Case, Harriette, V.	Gettel, Mary, V.
Condran, Elsie, P.H.	Gingrich, Edith, P.
Cresson, Nellie, P.T.	Groh, Sara, P.
Deck, Verna, P.	Hardman, Frank, P.O.V.G.C.
Dunmoyer, Nellie, P.	Hauer, Lillian, P.
Ebright, Lida, O.V.	Hatz, Erwin, P.O.V.H.Hi.T.
Engle, Esther, P.V.	Herr, W. E., G.C.
Ensminger, Harry, P.	Henry, Martha, P.H.
Ensminger, Mabel, P.	Herr, Henry, P.
Erb, Pearl, V.	Herr, Mabel, P.V.
Fasnacht, Irene, P.O.	Hunsicker, Mrs., V.
Flock, A. D., G.C.	Krieder, Louise, P.V.



Krieder, Robert, V.	Reigle, Minnie, P.
Lehr, Gertrude, P.V.	Rigler, Margaret, P. H.T.
Light, Jessie, P.H.	Rigler, Ruth, P.
Light, Victor, V.	Ryan, Bessie, O.
Lutz, Alice, P. V.	Ristenblat, Beulah, O.H.T.
Long, S. B. V.	Riegle, Ralph, P.
Light, E. V. V.	Roeder, A. C., G.C.
Light, Carrie, P.	Saylor, Miriam, P.
Lowery, Grace, O.V.	Shaud, Elizabeth, P. H. Hi.
Lehman, M. F., G.C.	Shenk, Rachel, P.
Mathias, Mrs. O.	Simpson, Fanny, P.
Maybery, Laura, P. T.	Smith, Fred, P. O. G.C.
Maulfair, Ralph, P.	Snyder, Verda, V.
Maulfair, Mary, P.	Spessard, E. A., V. G.C.
Meyers, Mary, P.T.	Spessard, L. S., G.C.
Mills, A. K., G.C.	Spessard, W. V., G.C.
Miller, M. L., P.	Stroh, Minnie, P.
Musser, Mary, P.V.HLT	Strickler, A. D., G.C.
Nye, Florence, P.H.	Uhrich, Gertrude, P. O. H. Hi.
Nye, Carrie, P.	Weber, Ruth, P. V.
Oldham, Constance, P.	Weidler, D. E., G.C.
Oldham, Celia, V.	Weidler, V. O., G.C.
Prout, Violet, P.V.T.	Witman, Naoma, P.
Renninger, Nora, P.H.T.	Witters, Sadie, P.
Reilly, Edith, P.V.	Wood, Claire, P. H.
Renn, E. A., G.C.	Yoder, Jessie, G.C.

### STUDENTS IN ELOCUTION

Andrew, Harry W.	Henry, Louise
Bair, Grover Cleveland	Kelchner, Arabelle
Berger, Grace	Kelchner, Ruth
Boltz, Catherine	Killinger, Lena
Brightbill, Helen	Klick, Vada
Brunner, Cora	Kreider, Nancy
Elliot, Bertha	Long, Samuel Burman
Frantz, Susan	Lehman, Max F.
Gantz, Lillian	Lutz, Alice Katherine
Garber, May	Shiffer, Hattie
Gerry, Dorothy	Urich, Josephine

**STUDENTS IN ART**

Batdorf, Emma	Maulfair, Mary E.
Bowman, Carrie	Meyer, May
Brightbill, Helen	Miller, Catharine
Cresson, Dorothy	Renninger, Nora
Engle, Elizabeth	Riegle, Minnie
Engle, Esther	Riley, Edith
Henry, Martha	Shiffer, Hattie
Keister, La Verne	Shiffer, Martha B.
Light, Alma	Snyder, Verda
Lutz, Alice Katherine	Spangler Ruth
Marshall, Elizabeth	Spangler, W. Roy

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TOTAL . . . . .	<u>319</u>

The above Summary of Students includes all who have matriculated from April 1, 1907, to April 1, 1908.

**Degrees Conferred, June 12, 1907****BACHELOR OF ARTS**

Bender, C. Ray	Myers, Helen Ethel
Esbenshade, Park F.	Peiffer, Mary Elizabeth
Gehr, Elias M.	Seitz, Irvin S.
Herr, William Eby	Shroyer, Effie Evelyn
Herrman, Amos Wallick	Sprecher, John Henry
Knaus, Edward Emanuel	Stehman, Elizabeth Lucretia
Lehman, Max Fisher	Waughtel, Samuel H.
Metzger, Maurice Rutt	

**DIPLOMAS IN MUSIC**

Albert, Alberta A.	Maulfair, Iva B.
Albert, Mark A.	Mock, Mabel
Coppenhaver, Florence	Spessard, Arthur R.
Cunkle, Elva P.	Oberdick, A. Louise
Evans, Mark	Stengle, Verna I.
Faus, Eli A.	Walmer, Gertrude
Hay, M. Alberta	Wolf, Florence H.
Herr, Mabel S.	

**DOCTOR OF LAWS**

Rev. William Edgar Geil, A.M.,	Doylestown, Pa.
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