

Bowdoin 1935

## CURRICULAR REQUIREMENTS

### REQUIRED COURSES

Good English is required both in spoken and in written work, not only in English courses but in all courses. Any student whose work is unsatisfactory in English, whether in the details of spelling or grammar or in the larger matter of clear expression of ideas, is reported to the Committee on Undergraduate English, and may be required to receive special instruction intended to correct these deficiencies. No student so reported will be recommended for a degree unless he has satisfied the Committee.

All students are required to take certain courses in Physical Education.

FRESHMAN YEAR. All candidates for a degree are required to take:

- (1) Hygiene, and English 4; and
- (2) English 1-2; and
- (3) One of the following: History 1-2; or Physics 1-2; or Chemistry 1-2; or Zoölogy 1-2; or a second acceptable elective from (4), below; and
- (4) One of the following: Greek 1-2, Greek 3, 4, Latin A-B, Latin 1, 2, or Mathematics 1, 2; and to comply with the special requirements for the degree of A.B. or B.S. as here set forth:

Candidates for the degree of A.B. who presented *four* years of Latin for admission complete the special requirements for that degree by electing Latin 1, 2, or Mathematics 1, 2, or by electing Greek 1-2 in Freshman year and Greek 3, 4 in Sophomore year, unless two or more years of Greek are offered for admission, in this case more advanced Greek should be elected.

Candidates for the degree of A.B. who presented *three* years of Latin for admission complete the special requirements for that degree by electing Latin A-B, or Greek 1-2 in Freshman year, and thereafter or concurrently, completing one of the following five groups of courses: (1) Latin A-B, and Latin 1, 2; (2) Latin A-B, and Mathematics 1, 2; (3) Greek 1-2, Greek 3, 4, and Latin A-B; (4) Greek 1-2, Greek 3, 4, and Greek 5-6, or equivalent; (5) Greek 1-2, Greek 3, 4, and Mathematics 1, 2.

Candidates for the degree of B.S. who presented *two* years of Latin for admission, and who wish to transfer to the course leading to the degree of A.B. are required to take Greek 1-2, Greek 3, 4, and *either* Greek 5-6 or Mathematics 1, 2.

Candidates for the degree of B.S. are required to take Mathematics 1, 2. And

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(5) To comply with the requirements in modern languages as here set forth:

An elementary knowledge of both French and German, and a more advanced knowledge of one of these languages.

An elementary knowledge is defined as the equivalent of that obtained by passing French 1-2 or German 1-2.

A more advanced knowledge is defined as the equivalent of that obtained by passing French 3-4, or German 3-4, or German 5-6.

All students who presented French or German for admission shall, unless excused by the provisions of the following paragraph, continue during Freshman year the language presented for admission and shall take during Sophomore year French 1-2 if German was presented for admission, or German 1-2 if French was presented for admission.

Students are strongly advised to meet the requirements of a more advanced knowledge of French or German by passing the courses indicated above; but any student may, with the consent of the Dean, meet this requirement by passing before the beginning of the Sophomore year a special examination in French or German.

Students who present both French and German for admission will fulfill all modern language requirements either by continuing one of these languages during Freshman year or by passing a special examination in one of them in accordance with the preceding paragraph.

No student shall be advanced to Senior standing until he has completed his modern language requirements.

### GENERAL COURSES

Candidates for the degree of A.B. or B.S. must have completed before graduation one year's work in each of the four groups listed below.

1. History, Philosophy.
2. Economics\*, Government.
3. Astronomy, Biology\*, Chemistry, Mathematics\*, Physics, Psychology.
4. Biblical Literature, Comparative Literature, English Literature, French\*, German\*, Greek\*, Italian\*, Latin\*, Spanish\*.

\*The following courses do not contribute toward meeting the requirement in General Courses: Biology 9; Botany; French 1-2, 3-4, 15-16; German 1-2, 3-4, 5-6, 15-16; Greek 1-2, 12; Italian 1-2; Latin A-B, 1, 2, 11; Mathematics 1, 2; Sociology 1-2; Spanish 1-2.

Candidates for the degree of A.B. must have completed a second year's work in group 4, above.

Candidates for the degree of B.S. must have completed a second year's work in group 3, above.

Required and General Courses must be taken, so far as possible, before Elective Courses.

### ELECTIVE COURSES

In order to be eligible for a degree a candidate must have completed thirty-four semester courses, or their equivalent, (a year course is equivalent to two semester courses), in addition to Hygiene, English 4, and the required courses in Physical Education. These courses, except those mentioned above under Required Courses which students must take at the times designated, are all elective, but subject to the following regulations:

1. Each student, whether Regular or Special, is required to take four full courses each semester in addition to the required work in Physical Education, Hygiene, and English 4.
2. Each Regular student is required to take a fifth course during each semester of the Sophomore year.
3. No student is allowed to elect more than one extra course in any semester unless one-half of his grades for the previous semester have been B, or higher, and then not without the consent of the Dean.

### MAJORS AND MINORS

Each student is required to have completed before graduation one major and two minors. He must choose his major by the end of his Sophomore year, and must submit the courses chosen for the approval of the department in which the major is taken. He must also choose two minors at the same time, and must submit them for advice to the department in which the major is to be taken.

Definitions. A *major* is a subject pursued through three consecutive years, or the equivalent of three years. A *minor* is a subject pursued through two consecutive years.

Each student in his Senior year, in order to test his general grasp of his major subject, must pass a special examination in that subject, attain grades of C or higher in more than half of the necessary courses of his major subject, and maintain a satisfactory standing in whatever extra work the department may require.

The departments, in which majors may be elected, have designated below, the courses constituting majors.

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(In the following table a semester course is called a unit.  
A year course is equivalent to two units.)

- Biology. Course 1-2, Botany 1, and any three other units, excepting courses 7-8 and 12.
- Chemistry. Courses 1-2, 3, 4, 5, and 7-8.
- Economics and Sociology. Economics 1-2 and 13, and Sociology 1-2 and any two other units; but not more than two units in Sociology will be accepted without special arrangement with the Department.
- English. Course 13-14, and, except when substitution of other units is approved by the Department, Courses 15-16 and 17-18.
- French. Courses 7-8, 11-12, and 15-16.
- German. Courses 13-14, 15-16, and either 9-10 or 11, 12.
- Government. Any six units; or any four units and either History 9 or 9, 10, or 11, 12.
- Greek. Any six units, excepting Course 1-2.
- History. Course 1-2, and any four other units.
- Latin. Course 1-2; two units from 3, 4, 5, 6; and two units from 7, 8, 9, 10.
- Mathematics. Courses 1, 2, 3, 4, 5, 6.
- Philosophy. Any six units; or any four units and either Greek 5-6 or Greek 9-10.
- Physics. Any six units.
- Psychology. Courses 1-2, 3, 4, 5-6.

All courses offered in all departments count toward minors, except Greek 11, Latin A-B, and Latin 12; and Greek 1-2 when taken to satisfy entrance requirements.

### TWO-YEAR PRE-MEDICAL COURSE

Students entering this course are required to make affirmation of their purpose to pursue their medical studies after completing the course with a statement from parent or guardian to that effect, and with the understanding that change to regular standing in the College will be made only by a special vote of the Faculty.

The entrance requirements are the same as for the academic course.

Students in this course are required to take:—*first year*: Chemistry 1-2; English 1-2, 4; Hygiene; Zoölogy 1-2; Mathematics 1, 2; *second year*: Chemistry 3, 4; Zoölogy 3-4; French or German; Physics 1-2.

As many medical schools require a Bachelor's degree for admission, students intending to enter these schools should arrange their course to cover four years of college work and to include the pre-medical subjects.

## MATHEMATICS

PROFESSOR HAMMOND, ASSOCIATE PROFESSOR HOLMES,  
AND MR. KORGEN

*Trigonometry, Analytic Geometry, and Calculus.* First semester: Monday, Tuesday, Wednesday, Friday; Divs. A, C, and F, 8.30; Divs. B and D, 9.30; Div. G 11.30; Divs. E and R 2.30.

*Continuation of Course 1.* Second semester: at the same hours.

PROFESSOR HAMMOND, ASSOCIATE PROFESSOR  
HOLMES, AND MR. KORGEN

Trigonometry and selected topics from analytic geometry and elementary calculus.

*Analytic Geometry and Calculus.* First semester: Monday, Wednesday, Friday, 11.30.

*Continuation of Course 3.* Second semester: at the same hours.

PROFESSOR HAMMOND

Selected topics in analytic geometry and in differential and integral calculus.

Prerequisites, Courses 1, 2.

*Calculus.* First semester: Monday, Wednesday, Friday, 11.30.

*Calculus and Differential Equations.* Second semester: at the same hours.

ASSOCIATE PROFESSOR HOLMES

Advanced calculus with a text-book, lectures, and collateral readings. Standard methods of solving ordinary differential equations. Applications to geometry, mechanics, and physics.

Prerequisites, Courses 3, 4.

*Advanced Mathematics.* First semester: Monday, Wednesday, Friday, 9.30.

*Continuation of Course 7.* Second semester: at the same hours.

ASSOCIATE PROFESSOR HOLMES

The Department plans to vary the content of this course from year to year to suit the needs and desires of students and instructor. Courses may be offered in theory of functions of a complex variable, mathematical analysis, projective geometry, or advanced analytic geometry. Juniors and Seniors who desire to elect this course should consult the instructor.

*Modern Synthetic Geometry.* First semester: Monday, Wednesday, Friday, 10.30.

Prerequisites, Courses 1, 2.

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10. Continuation of Course 9. Second semester: at the same hour.  
PROFESSOR HAMMOND

Given in 1935-1936; to be omitted in 1936-1937.  
Properties of triangles and circles.  
Prerequisite, Course 9.

This course is acceptable toward the Maine State Teacher's Certificate.

- [11. Algebra. First semester: Monday, Wednesday, Friday, 10.30.]  
Prerequisites, Courses 1, 2; and, either Courses 3, 4, or the consent of the instructor.

- [12. Continuation of Course 11. Second semester: at the same hour.]  
ASSOCIATE PROFESSOR HOLMES

Omitted in 1935-1936; to be offered in 1936-1937.  
Selected topics from college algebra.  
Prerequisite, Course 11.

MUSIC

\*ASSOCIATE PROFESSOR WASS

1. Music as an Art. First semester: Tuesday, Thursday, Saturday, 8.30.

A general study of the development of the Art of Music, preparing one to understand and appreciate musical performances. Sound, musical sound, notation, rhythm, melody, harmony—their evolution and application to modern music. History of music, study of the great composers, their lives, works, and influence upon the development of modern music. Frequent tests by written papers on assigned topics. No technical preparation requisite for this course.

Elective for Sophomores, Juniors, and Seniors.

2. Continuation of Course 1. Second semester: at the same hour.

Advanced musical appreciation and history. Elements of Theory. Study of musical forms from listeners' standpoint. Assigned readings, oral tests, and written reports.  
Prerequisite, Course 1.

3. Elementary Harmony. First semester: Tuesday, Thursday, Saturday, 11.30.

Systematic study of intervals and chords, and their correct and effective use in four part harmony. Harmonization of

\*Died, 12 Nov., 1935.