

Bowdoin College

special standing for more than two years. Application for admission as special students should be addressed to the Dean.

TESTIMONIALS AND CERTIFICATES

Testimonials of good moral character must in all cases be presented before certificates of admission are granted. Letters from principals or teachers dealing in a personal manner with the character and attainments of the candidates are desirable. A student from another college, before he can be admitted, must present a certificate of honorable dismissal.

BOND

A bond for two hundred dollars, with satisfactory sureties, must be filed with the Treasurer by every student on his admission to college, as security for the payment of his term bills and any other charges that may arise under the college laws. A blank form for this purpose will be given with the certificate of admission.

Required and Elective Studies

REQUIRED STUDIES

FRESHMAN YEAR. Candidates for the degree of A.B. are required to take Hygiene, the first semester; English 4, the second semester; and

- (1). English 1, 2; and
- (2). French 1, 2; or German 1, 2, if French has been presented for admission; or an elective from group (3) or (4) if both French and German have been presented for admission; and
- (3). One of the following: Greek A, B or 1, 2; Latin 1, 2; or Mathematics 1, 2; and
- (4). An elective from (3) or from the following: French 3, 4 or 5, 6; German 3, 4 or 5, 6; History 1, 2; Physics 1, 2.

NOTE. Candidates entering without advanced Latin are required to take Latin A, B.

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Admission

Candidates for the degree of B.S. are required to take Mathematics 1, 2; otherwise their Freshman courses are the same as those for candidates for the degree of A.B.

SOPHOMORE YEAR. German 1, 2 is required of all students, unless taken Freshman year or presented for admission.

Latin 1, 2 is required of candidates for the degree of A.B. who took Latin A, B their Freshman year and who did not elect Greek A, B or 1, 2 or Mathematics 1, 2.

Greek 1, 2 is required of candidates for the degree of A.B. who took Greek A, B their Freshman year and who did not elect Latin 1, 2 or Mathematics 1, 2.

In addition to the foregoing required courses a course in Physical Training is required of all students from December first to April first in each of the four years.

ELECTIVE STUDIES

G

Thirty-four (34) courses are required for a degree, in addition to Hygiene, English 4 and four courses in Physical Training. These courses, except those mentioned above under Required Studies, 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 (4) full courses each Semester in addition to the required work in Physical Training, Hygiene and English 4.

2. Each regular student is required to take a fifth (5) course during any two (2) Semesters after the Freshman year.

3. No student is allowed to elect more than one (1) 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.

4. 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

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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 (3) consecutive years, or the equivalent of three years. A Minor is a subject pursued through two (2) consecutive years.

5. Each student who is a candidate for the degree of B.S. must have completed before graduation a major in either Biology, Chemistry or Physics.

Majors

The Departments in which majors may be elected have designated the following courses as constituting majors:

Biology. Any six courses.

Chemistry. Courses 1, 2, 3, 4, 5, 6; or 1, 2, 3, 4, 6 and Mineralogy.

Economics and Sociology. Courses 1, 2, 5 and any three others.

English. Courses 13, 14 and any four others; but Courses 1, 2, 4, 5, 6, 7, 8 not to count.

French. Any six courses; but Courses 1, 2 not to count.

German. Any six courses; but Courses 1, 2 not to count.

Greek. Courses 1, 2, 3, 4 and any two others.

History and Political Science. Any six courses; but Courses 1, 2 not to count.

Latin. Courses 1, 2, 3, 4, 5, 6.

Mathematics. Courses 1, 2, 3, 4, 5, 6; or 3, 4 and Mechanical Drawing and Surveying.

Philosophy and Psychology. Any six courses, including Educational Psychology.

Physics. Courses 3, 4 and any four others, including Mathematics 3, 4.

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Courses of Instruction

three hours a week, at the convenience of instructor and students.]

PROFESSOR SILLS

Omitted in 1915-1916.
Prerequisite, Course 5.

8. Latin influence in English Literature. Lectures, reports and outside readings in Latin and English. Second Semester: Monday, Wednesday, Friday, 11.30. PROFESSOR SILLS

A study of the character and quality of English Literature as affected by the influence of the classics, and the Latin heritage of the principal English poets.

Elective for Juniors and Seniors.

MATHEMATICS

C

PROFESSOR MOODY AND DR. MILNE

1. Algebra and Solid Geometry. First Semester: Monday, Tuesday, Wednesday, Friday. Div. A, 8.30; Div. B, 9.30; Div. C, 8.30; Div. D, 9.30.

Graphic algebra, including a review of portions of the preparatory work; complex numbers; selected topics from series and limits, indeterminate equations, undetermined coefficients, binomial theorem, elements of the theory of logarithms, choice, determinants and higher equations. This portion of the work closes before the holiday vacation, and the remainder of the Semester is given to solid geometry with mensuration and original theorems.

2. Solid Geometry and Trigonometry. Second Semester: Monday, Tuesday, Wednesday, Friday. Div. A, 8.30; Div. B, 9.30; Div. C, 8.30; Div. D, 9.30.

PROFESSOR MOODY AND DR. MILNE

Solid Geometry completed: trigonometry of the right triangle; practice with four-place tables in solving examples from algebra and geometry and simple problems of heights and distances. Demonstration of fundamental formulas for all angles, and proof of exercises drawn therefrom; the theory and use of six-place logarithmic tables; the solution of oblique triangles, with problems and applications.

Courses 1, 2, (except as provided under 1a, 1b, 2b, 2c), are required of candidates for the degree of B.S., for those who elect Physics 3, 4, and are elective for all other students.

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1a. Advanced Algebra. Determinants, theory of equations continued from Course 1, and selected topics. Three hours a week, during the first term.

1b. Conic Sections. Elementary geometric theorems and constructions. Four hours a week, from January to the end of the First Semester.

2b. Conic Sections and Mensuration. Four hours a week, during the first four weeks of the Second Semester.

The work of 1b continued and logarithmic computation for plane and solid figures.

2c. Algebra and Trigonometry. Three hours a week, from April to the end of the Second Semester. PROFESSOR MOODY

Algebraic and trigonometric series. Theorems and exercises from Higher Plane Trigonometry.

Courses 1a, 1b, 2b, 2c are provided for students taking first year mathematics who have received credit in Advanced Algebra, Solid Geometry, or Trigonometry, for admission.

Hours for recitation will be arranged.

3. Analytic Geometry. Fine and Thompson's Coördinate Geometry. First Semester: Monday, Wednesday, Friday, 11.30.

4. Calculus. Second Semester: Monday, Wednesday, Friday, 11.30. DR. MILNE

Selected topics in differential calculus, with application to problems and curve tracing. Double and triple integration for surfaces and volumes.

Prerequisites, Courses 1, 2, or their equivalent.

5 and 6. Integral Calculus and Elliptic Functions. Text-book, with lectures and collateral reading. Both Semesters: three hours a week, at the convenience of instructor and students.

[7 and 8. Modern Methods in Pure and Analytic Geometry. Both Semesters: three hours a week, at the convenience of instructor and students.] PROFESSOR MOODY

Omitted in 1915-1916.

Courses 5, 6 form a consecutive course throughout the year, and are given in alternation with Courses 7, 8.

Elective for those who have taken Courses 3, 4, or their equivalent.