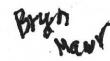Bryn
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Insurance

The College is not responsible for loss due to fire, theft or any other cause. Students who wish to insure against these risks should do so individually or through their own family policies.

Curriculum

The present plan of study takes into account both the changes of recent years in secondary school education and the expectation of graduate school on the part of a larger proportion of students. It provides flexibility and makes it possible for students to include a wide range of fields of knowledge and to have great freedom to explore and elect. Some of the flexibility has been achieved by including all departments of the College in a divisional system, thus allowing both humanist and scientist a variety of ways in which to meet college requirements.

The Plan for the Curriculum

I. All candidates for the A.B. degree shall present 16 units[1] of work. In all cases one of these will be a unit of Senior Conference in the major subject.

II. Students must elect to complete a unit of work in each of the four following disciplinary groups with courses that introduce students to these disciplines offered under departmental sponsorship at either Bryn Mawr or Haverford Colleges. A student with suitable preparation may, in consultation with the appropriate faculty members and her class dean, elect a course at the intermediate or advanced level.

Group I	Group II	Group III[6]	Group IV
History	Biology	English	History
Philosophy	Chemistry	Literature	Philosophy
Anthropology[2]	Geology	Modern	Archaeology
Economics	Physics	Literatures	History of Art
Education	Psychology 101	Classical	History of Religion[7]
Political Science	[Mathematics][5]	Literatures	Music[8]
Psychology[3]			
Sociology[4]			

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1. A unit of work is the equivalent of eight semester hours and is either a year course, or when appropriate, two one-semester courses.
2. Anthropology 101, if at Bryn Mawr.
3. Two semester courses chosen from: 206, 207, 208, 305; any two-semester Haverford courses numbered 111 and above.
4. At least one semester of work at the 100-level is required.
5. Mathematics alone may not be used to fill any *group* requirement. See page 44, II, a & c; III, B, 2.

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The following directions and qualifications are to be noted:

a. A student (not majoring in subjects under Group II) may elect a second course under Group II, including Mathematics, as an alternative to any one of her other divisional requirements.

b. No course may satisfy more than one divisional requirement. Students majoring in History or Philosophy may count courses in their major as satisfying the requirement in *either* Group I or Group IV, but not both. Students majoring in Psychology may count courses in their major as satisfying *either* Group I or Group II, but not both. Students majoring in History of Religion may count courses in their major as satisfying *either* Group III or Group IV, but not both.

c. Courses taken to satisfy the requirements in English and Mathematics described below do not count as fulfilling divisional requirements.

III. In addition to the divisional requirements, each student must:

A. Include in her program two semesters of English composition (English 015) unless by a score of 5 on the Advanced Placement Test she has shown evidence that she has attained proficiency at this level.

B. Achieve a certain level of proficiency in languages or in one language and mathematics, the level to be demonstrated in one of the three following ways:

1. She may demonstrate a knowledge of two foreign languages by

a. passing an examination offered by the College every spring and fall, or

b. passing with a grade of at least C a College course (one full unit) above the elementary level, or

6. Any combination of courses at Bryn Mawr listed below will satisfy the requirement:
English 101 and all 200 courses under "Literature"
French 201,202,203 and all 300 courses
German 202 and all 300 courses
Greek 101, 201, 203 and 301
Italian 201, 202, 303 and 304
Latin 101, 201, 202 and all 300 courses
Russian 203 and all 300 courses
Spanish 201, 203 and all 300 courses
History of Religion 103, 104, 105b, 201a, 207b, 208b, 209, 301b, 302a, 302b, 303, 304, 305a.

at Haverford:
Classics 201a, 202b, 203a, 204b, 301a, 302b, 303a, 304b
English 101 and all advanced courses with the exception of 147a, 190a
French 200 level and above
German 202a & b and all 300 courses
Spanish 200 level and above
7. Or Religion at Haverford.
8. Music 101 or 102, if at Bryn Mawr.

c. attaining a score of at least 590 (in one language) on a College Board Achievement Test *taken in the year prior to college entrance* and/or by passing with an honor grade an Advanced Placement Test.

2. She may offer one language to be tested as described above and demonstrate proficiency in mathematics by

a. attaining a grade of 4 or 5 on the Advanced Placement Test, or

b. passing an examination offered by the Department of Mathematics each spring and fall, or

c. achieving a grade of at least C in Mathematics 101 or a more advanced course.

3. She may offer one language to an advanced level of proficiency to be demonstrated by passing with a grade of at least C one course or two semester courses at the 300 level.

IV. At the end of the sophomore year each student must choose a major subject, and in consultation with the departmental advisor plan an appropriate sequence of major and allied courses. Usually a major is made up of four courses, two courses of allied work and one unit of Senior Conference in the Major Subject. No student may be required to offer more than six courses in the Major Subject. Students invited to participate in the Honors program count the Honors project as one of the Major Subject units.

In brief outline, each student's program will include:
1. a unit of work in English, unless she is exempt
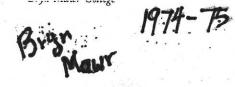2. work to achieve the required level of proficiency in
   one language, or
   two languages, or
   one language and mathematics
3. four units of work, one from each of the divisions I-IV
4. a major subject sequence of at least four units of work and two units of allied work and a Senior Conference
5. elective units of work to complete an undergraduate program of at least 16 units.

Each major department offers Honors work to a number of its senior students who have demonstrated unusual ability. Honors work is of more advanced character than that done in the regular courses and requires more initiative and power of organization than is usually expected of undergraduate students. Such work may be carried on in connection with an advanced course or may be planned especially for individual students. It usually includes independent work of a critical and analytical nature

with source material, periodic reports and the preparation of an Honors paper.

A student with unusual interest or preparation in several areas could consider one of the interdepartmental majors, a double major, a major with a strong minor, or a special program involving work in several departments built around one major as a core. Such programs can be arranged by consulting the Dean and members of the departments concerned.

A student who wishes to pursue the study of a special area, figure or problem within a given discipline, may, if she finds a faculty member willing and able to supervise such work, substitute a supervised unit of independent study for one semester or year course.

In 1971 the faculty voted to change from a numerical grading system to one which uses only the letters A, B, C, D and F. A review of the present system is currently being undertaken by a joint Bryn Mawr-Haverford faculty-student committee. A grading system with finer distinctions is being considered.

Each student must attain a grade of C or above in at least half of her graded courses and a grade of at least D in the remainder. In all courses in her major subject, she must attain grades of C or above. Should she receive a grade below C in a second-year or advanced course in the major subject, she may be required to change her major.

The degree of Bachelor of Arts is conferred upon students who have completed the course of study described above. The degree is awarded *cum laude, magna cum laude,* and *summa cum laude.* To students who have completed Honors work in their major subject the degree is awarded with honors in that subject.

Credit for work taken elsewhere is given as follows:

1. Transfer Credits (see page 28)
2. Cooperation with Neighboring Institutions

Under the Three-College Plan for Cooperation, full-time students at Bryn Mawr may register for courses at Haverford College and Swarthmore College without payment of additional fees. Such registration must be approved by the Dean and, in the case of required or major and allied work, by the departments concerned. Credit toward the Bryn Mawr degree will be granted for such courses.

Students may major in departments at Haverford College for which there are no corresponding departments at Bryn Mawr, e.g., Astronomy and Fine Arts (under the direction of Bryn Mawr's Professor of Fine Art).

3. Summer School Work

Students desirous of supplementing their work at Bryn Mawr by taking courses in summer school are encouraged to do so after their freshman year. Students who wish to present summer school work for credits should first obtain approval of their plan from their Class Dean and from the department concerned. No credit will ever be given for work in which a student has received a grade below C. Credit given will be calculated on an hour-for-hour basis.

Supplementary requirements for the Degree:

1. Physical Education—All students must meet the requirement in Physical Education (see page 154).

2. Residence—Every candidate for the degree of Bachelor of Arts unless she is a transfer student or is permitted to accelerate her program or to take a junior year away will normally attend Bryn Mawr College for a period of four years. Students admitted on transfer from other colleges must complete sixteen units, eight of which must be taken while enrolled as a degree candidate at Bryn Mawr College. At least four of these units must be completed at Bryn Mawr during the junior or senior year.

3. Full Program of Work—With few exceptions, all students carry a complete program and do not spend more than the equivalent of the four undergraduate years in completing the work for the A.B. degree.

Student Health Lecture Series

A series of lectures and discussion is presented each year by the college health service. Such topics as drug addiction, sex counseling, adolescent mental health and basic health care are discussed. All freshmen must attend the program which is given in the fall.

Premedical Preparation

Bryn Mawr, through the curriculum in liberal arts and sciences, provides the opportunity of meeting requirements for admission to the leading medical schools of the country, and each year a number of its graduates enters these schools. The minimal requirements for most medical schools are met by the following courses: Biology 101, Chemistry 101, Chemistry 202, Mathematics 101, Physics 101. Some medical schools also stipulate Chemistry 201a and 203, and a second course in Biology.

The requirements are fulfilled by a major in Biology, with the election

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001. *Elementary Latin:* Miss Uhlfelder, Mr. Scott.
Basic grammar and composition, reading from prose authors and Vergil's *Aeneid.*

002. *Intermediate Latin:* Mr. Hamilton, Mr. Smith.
Review of grammar with reading in prose and poetry for students who have had two years of Latin in school, or do not feel adequately prepared to take Latin 101.

101a. *Latin Literature:* Miss Uhlfelder.
Selections from Catullus' poems, Vergil's *Eclogues,* and readings in prose. Prerequisites: more than two years of Latin in school, Latin 001 or Latin 002.

101b. *Latin Literature:* Mrs. Michels.
Selections from Livy, Book 1, and from Horace's *Odes.*

201a. *Horace and Ovid:* Mrs. Michels.
Selections from Horace's *Satires* and *Epistles,* and from the works of Ovid.

201b. *Latin Literature of the Silver Age:* Mr. Scott.
Readings from major authors of the first and second centuries A.D.

[202a. *Medieval Latin Literature:* Miss Uhlfelder.]
& b.

203b. *Latin Style:* Mrs. Michels.
A study of Latin prose style, based on reading of prose authors and exercises in composition, and of Latin metrics with practice in reading aloud.

[204b. *The Ancient City:* Mr. Scott.]
(INT.)

205a. *Medieval Latin Literature:* Miss Uhlfelder.
& b. a. The High Middle Ages.
b. Late Middle Ages to Renaissance.

207a. *Latin Authors and English Literature:* Mrs. Michels.
This course is designed primarily for students interested in English literature who wish to explore its background in Latin literature. The Latin authors will be read in English translation along with the works of English authors which reflect their influence most clearly.

301a. *Livy and Tacitus:* Mr. Scott.

301b. *Vergil's* Aeneid: Miss Uhlfelder.
[302a. *Cicero and Caesar:* Mr. Scott.]
[302b. *Lucretius:* Miss Uhlfelder.]

For Roman history see History 206a & b.

399. *Senior Conference:* Regular meetings with members of the Department to discuss reading in Latin literature intended to supplement and synthesize work done in courses. The method of evaluating the work of the conference is determined each year. Majors must pass an examination in Latin sight translation which will be offered in September, February and May.

Honors Work: Honors work is offered to qualified students in classical or medieval Latin literature, or in Roman history. The results will be presented in a paper directed by a member of the Department.

Interdepartmental Work: The Department of Latin participates in the Interdepartmental majors: *Classical Languages* and *Classical Studies* and *The Growth and Structure of Cities.* See pages 145 and 148.

Teaching Certification: A sequence of work offered by the Department of Latin and the Department of Education of the College leads to a certificate to teach in the secondary schools of Pennsylvania.

Mathematics

Professors: John C. Oxtoby, M.A., *Chairman*
Frederic Cunningham, Jr., PH.D.

Assistant Professors: Kenneth Krigelman, PH.D.
Françoise Schremmer, PH.D.

The major is designed to provide a balanced introduction to the subject, emphasizing its nature both as a deductive and as an applied science, at the same time providing the technical foundation for more advanced study.

Requirements in the Major Subject: at least 4½ units including Mathematics 101, 201, 301, 303a, or equivalent. The Senior Conference is also required.

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Allied Subjects: Chemistry, Economics, Philosophy, Physics, Psychology.

100a. *Introduction to Automatic Computation:* Mr. Krigelman.

An introduction to numerical calculations with, and methods of treatment of experimental data. A complete introduction to Fortran programming will be included. The applications and their order of treatment are chosen to illustrate the various major programming constructions as they arise. Two lectures and one recitation hour per week plus two hours of laboratory with the computer. No prerequisite.

101. *Calculus, with Analytic Geometry:* Mr. Oxtoby, Mr. Krigelman, Mr. Cunningham.

Differentiation and integration of algebraic and elementary transcendental functions, with the necessary elements of analytic geometry and trigonometry; the fundamental theorem, its role in theory and applications.

103b. *Methods and Models:* Mr. Cunningham.

Mathematical concepts, notations, and methods commonly used in the social, behavioral, and biological sciences, with emphasis on manipulative skills and real problem solving. Prerequisite: Mathematics 100a or 101a.

201. *Intermediate Calculus and Linear Algebra:* Mrs. Schremmer.

Vectors, linear transformations, functions of several variables, partial derivatives, multiple integrals, line integrals, infinite series, Taylor's formula, differential equations.

301. *Advanced Calculus:* Mr. Oxtoby.

The classical theory of real functions, based on a construction of the real number system; elements of set theory and topology; analysis of Riemann integral, power series, Fourier series and other limit processes. Prerequisite: Mathematics 201.

303a. *Introduction to Abstract Algebra:* Mr. Cunningham.

Groups, rings and fields and their morphisms. Prerequisite: Mathematics 201.

303b. *Topics in Algebra:* Mr. Cunningham.

[304b. *Theory of Probability with Applications.*]

308. *Introduction to Applied Mathematics:* Mrs. Schremmer.

Distributions, Fourier series and transforms, partial differential equations arising in physics, Green's function, eigenfunction expansions, calculus of variations. Prerequisite: Mathematics 301, or permission of instructor.

309b. *Dynamical Systems:* Mrs. Schremmer.

Stability of linear and nonlinear autonomous systems with applications in various fields. Prerequisite: Mathematics 201a.

[310. *Theory of Functions of a Complex Variable:* Mr. Oxtoby.]

[311. *Differential Equations:* Mrs. Schremmer.]

[312b. *Topology:* Mr. Cunningham.]

[320. *Real Analysis:* Mr. Oxtoby.]

399. *Senior Conference:* Selected topics from various branches of Mathematics are studied by means of oral presentations and the solution and discussion of problems.

Honors Work: Qualified students are admitted to Honors work on recommendation of the Department.

Teaching Certification: A sequence of work offered by the Department of Mathematics and the Department of Education of the College leads to a certificate to teach in the secondary schools of Pennsylvania.

Music

Professors: Robert L. Goodale, A.B., B.MUS., A.A.G.O., *Chairman*
Agi Jambor, M.A.

Associate Professor: Isabelle Cazeaux, PH.D.

Assistant Professor: Carl B. Schmidt, PH.D.

Assistant: John B. Howard, B.A.

Director of Orchestra: William H. Reese, PH.D.

The purpose of the Music major is to enable the student to appreciate the significance of music from an historical and sociological as well as from an aesthetic point of view and to develop a technique of intelligent listening, a faculty of critical judgment and the ability to use the materials of music as a means of expression for creative talent.