

## THE BACHELOR OF ARTS DEGREE

### EXPLANATION OF TERMS

**Significance of the Degree:** The degree of Bachelor of Arts is conferred as evidence that the student has successfully completed a course of study of a certain definite type and extent, which is designed to include the instruction generally believed essential to a liberal education, as distinguished from that intended to prepare the student for a particular calling. Undergraduate instruction of this latter type leads to the degree of Bachelor of Science. Students desiring to pursue courses leading to this degree are referred to the circulars of The School of Engineering, The School of Business Economics, and the College for Teachers. Students desiring to enter the Johns Hopkins School of Medicine should pursue the collegiate course.

**Technical Terms:** *The Academic Year* is the period from the opening of the College in September or October to Commencement Day in June following, approximately thirty-four weeks. The *First Term* is from the opening of the College to the Mid-Year Examinations, about February 1st; and the *Second Term* is from the close of the Mid-Year Examinations to Commencement Day in June.

There are about fifteen weeks of instruction in each term exclusive of vacations and the time required for examinations.

**Marking System:** The scale of marks for reports is H, indicating exceptional work, S, satisfactory, and F, failure (see p. 33).

### REQUIREMENTS FOR THE DEGREE

In order to receive the degree of Bachelor of Arts the student must fulfill certain requirements:

#### Matriculation

He must be admitted as a candidate for the degree of Bachelor of Arts. This is called Matriculation and the requirements for admission are stated on page 45.

#### Residence

The regular period of residence is four years. A student may be admitted to advanced standing in accordance with the regulations given on p. 17, but in all cases the candidate for the degree of Bachelor of Arts must pursue the last year of his course for that degree in this institution.

The opportunity is given a limited number of students to complete the course in three years if they show that they are capable of carrying with honor an exceptionally heavy program. With the consent of his adviser, such a student may adopt any of the following methods:

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Amount of work portion of Graduation requirements not expressed as a single number.

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## The Bachelor of Arts Degree

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(a) He may anticipate certain courses by special examinations at entrance.

A form of application for this privilege may be secured from the Registrar and must be filled in and returned to him at least one week before the examination, which is held at or near the time of the regular matriculation examinations in September. The examination must be taken in the September immediately preceding entrance.

The courses that may be thus absolved are first year courses in languages, in mathematics, and in chemistry.

(b) He may present himself, at the beginning of the academic year, for examination in a single course, provided that the Executive Committee of the Board of Collegiate Studies, being satisfied that the student can obtain competent instruction, has authorized him *in advance* to pursue this course during the summer vacation.

A form of application for this privilege is provided and must be secured from the Registrar. For courses given in this University during the summer, many of which are helpful in preparing for advanced standing, see the special announcement of Summer Courses. In the case of private instruction, the instructor must be approved by the examiner before whom the student is to come, and must not be changed without the examiner's consent. The private preparation must conform to the directions of the examiner in the number of hours per week and the number of weeks and the amount and quality of the work done. The instruction must be regular and systematic and must approximate in number of hours the time given to the course in the University. It must constitute a full equivalent of that course. The examination will be both oral and written, and must be reported to the Registrar upon the usual blank. The time for the examination will be determined by the Committee.

(c) He may take one or more reading courses during the summer.

(d) He may take with the approval of his adviser and the Dean, a greater number of courses than is called for in the program of any year.

A first year student may be permitted to take more than the usual number of courses provided that he gives evidence of special ability by passing at entrance one or more courses for advanced standing, or by attaining a high grade in the Hopkins Scholarship examination, or by submitting from the schools in which he was prepared for college evidence of exceptional proficiency.

See p. 26.

#### Payment of Fees

#### Course of Study

He must complete satisfactorily the following studies:

(a) First and Second Years:

English Writing

English 1 C

History of Occidental Civilization (2 years)

Survey of the Formal Sciences or Mathematics 1 C or 2 C or Latin 3 C or Greek 1 C.\*  
 French (1 year beyond elements)  
 German (1 year beyond elements)  
 Elements of Economics  
 Biology 1 C or 1 T, or Chemistry 1 C, or Geology 1 C, or Physics 1 C a.  
 2 years Military Science or Physical Training.

## Suggested Programs:

## SOCIAL SCIENCE GROUP

## FIRST YEAR

(For those who do not pass the examination in English Writing at entrance.)

English Writing  
 Survey of the Formal Sciences  
 History of Occidental Civilization to 17th Cent.  
 French or German  
 One of the following:  
 Political Economy 12 B  
 Philosophy 1 C  
 Biology 1 T  
 Chemistry 1 C  
 Geology 1 C  
 Physics 1 C a  
 Greek 1 C  
 Latin 1 C or 2 C

## SECOND YEAR

English 1 C  
 History of Occidental Civilization, 17th. Cent. to Present.  
 French or German  
 Elements of Economics  
 One of the following:  
 Philosophy 1 C or 3 C  
 Psychology 1 C  
 Latin 3 C  
 Chemistry 1 C  
 Physics 1 C a  
 Geology 1 C  
 Biology 1 T

## FIRST YEAR

(For those who pass the examination in English Writing at entrance.)

English 1 C  
 Survey of the Formal Sciences  
 History of Occidental Civilization to 17th Cent.  
 French or German  
 One of the following:  
 Political Economy 12 B  
 Philosophy 1 C  
 Biology 1 T  
 Chemistry 1 C  
 Geology 1 C  
 Physics 1 C a  
 Greek 1 C  
 Latin 1 C or 2 C

## SECOND YEAR

History of Occidental Civilization, 17th. Cent. to Present.  
 French or German  
 Elements of Economics  
 One or two of the following:  
 Philosophy 1 C or 3 C  
 Psychology 1 C  
 Latin 3 C  
 Chemistry 1 C  
 Physics 1 C a  
 Geology 1 C  
 Biology 1 T

\* Entering students who expect to enter the Literature and Language Group in their third year may substitute Latin or Greek for the required course in Mathematics or the Survey of Formal Sciences. If such students do not subsequently enter this Group, they will make up the required course in Mathematics or the Survey of the Formal Sciences before graduation.

## NATURAL SCIENCE GROUP \*

## FIRST YEAR

(For those who do not pass the examination in English Writing at entrance.)

English Writing  
 Mathematics 1 C or 2 C  
 History of Occidental Civilization to 17th Cent.  
 French or German  
 One of the following:  
 Political Economy 12 B  
 Philosophy 1 C  
 Physics 1 C  
 Biology 1 C  
 Geology 1 C  
 Chemistry 1 C

## SECOND YEAR

English 1 C  
 History of Occidental Civilization, 17th Cent. to Present  
 French or German  
 Political Economy 1 C  
 One of the following:  
 Philosophy 1 C  
 Physics 1 C  
 Biology 1 C  
 Geology 1 C  
 Chemistry 1 C or 2 C  
 Mathematics 3 C

## FIRST YEAR

(For those who pass the examination in English Writing at entrance.)

English 1 C  
 Mathematics 1 C or 2 C  
 History of Occidental Civilization to 17th Cent.  
 French or German  
 One of the following:  
 Political Economy 12 B  
 Philosophy 1 C  
 Physics 1 C  
 Biology 1 C  
 Geology 1 C  
 Chemistry 1 C

## SECOND YEAR

History of Occidental Civilization, 17th Cent. to Present  
 French or German  
 Political Economy 1 C  
 One or two of the following:  
 Philosophy 1 C  
 Physics 1 C  
 Chemistry 1 C or 2 C  
 Biology 1 C  
 Geology 1 C  
 Mathematics 3 C

## LITERATURE AND LANGUAGE GROUP

## FIRST YEAR

(For those who do not pass the examination in English Writing at entrance.)

English Writing  
 Latin 3 C or Greek 1 C  
 History of Occidental Civilization to 17th Cent.  
 French 1 C or German 1 C  
 One of the following:  
 Political Economy 12 B  
 Philosophy 1 C  
 Geology 1 C  
 Chemistry 1 C  
 Physics 1 C a  
 Biology 1 T

## FIRST YEAR

(For those who pass the examination in English Writing at entrance.)

English 1 C  
 Latin 3 C or Greek 1 C  
 History of Occidental Civilization to 17th Cent.  
 French 1 C or German 1 C  
 One of the following:  
 Political Economy 12 B  
 Philosophy 1 C  
 Geology 1 C  
 Chemistry 1 C  
 Physics 1 C a  
 Biology 1 T

\* Students interested in medicine should enroll in the Natural Science group.

## SECOND YEAR

English 1 C  
 History of Occidental Civilization,  
 17th Cent. to Present  
 French 1 C or German 1 C  
 Political Economy 1 C

One of the following:

Philosophy 1 C  
 Geology 1 C  
 Chemistry 1 C  
 Physics 1 C a  
 Biology 1 T

## SECOND YEAR

History of Occidental Civilization  
 17th Cent. to Present  
 French 1 C or German 1 C  
 Political Economy 1 C

One or two of the following:

Philosophy 1 C  
 Geology 1 C  
 Chemistry 1 C  
 Physics 1 C a  
 Biology 1 T

(b) **Third and Fourth Year Courses:** At the beginning of the third year the student will choose a subject in which to concentrate in one of the following three groups:

Social Sciences (History, Political Economy, Political Science, History of Philosophy, Ethics, and Education).

Natural Sciences (Biology, Chemistry, Geology, Mathematics, Physics, Psychology, and Logic).

Literature and Language (English, French, German, Italian, Spanish, Latin, Greek, Hebrew, Sanskrit, Archaeology and History).

The student will have to meet two sets of requirements for graduation; one fixed by the Department in which he concentrates, the other fixed by the Group. He will be advised in his concentration subject by a Faculty member in that subject and by a group representative in collateral subjects. Specific requirements of each department are announced elsewhere in this circular in connection with the courses to be offered. In addition to these requirements, the student must take a sufficient number of courses in allied subjects to prepare himself for the comprehensive examination. No student may present himself for this examination until he has completed the departmental and group requirements.

Following are outlines of the group requirements.

## SOCIAL SCIENCE GROUP

A knowledge of the characteristic forms of the economic systems of the past and present, of the causes and consequences of the industrial revolution and of the economic development of the United States.

A knowledge of economic geography.

A knowledge of international problems and organization in modern times.

A knowledge of the principal governments of the world, and of how they function.

An acquaintance with the more important political and economic theories of the past and present, and of their historical setting.

A knowledge of modern European history.  
 A knowledge of the history of the United States.  
 An appreciation of the methods of the social sciences.

The student must satisfy the Group that he has fulfilled the above requirements by passing a comprehensive examination. Ordinarily this examination is taken in the fourth year, but in exceptional cases students may be permitted to take it at an earlier time. In preparing himself for the comprehensive examination, the student may take the courses designed by the various departments to supply such knowledge, supplementing them with collateral reading, or, with the consent of his adviser, he may depend solely upon his own reading and study. This privilege, however, will be granted only to superior students.

## NATURAL SCIENCE GROUP

A student majoring in a science is expected to pursue, under the direction of his adviser, courses in allied subjects and also to gain a broad knowledge from his own reading along the following lines:

A general survey of the historical development of scientific thought.

Methods employed in the natural sciences.

The interrelations of the natural sciences.

Their major conclusions.

Lines of investigation most actively pursued at the present time.

This reading is designed to prepare the student for the comprehensive examination given toward the end of his fourth year. Lists of books and advice will be furnished by members of the group.

## LITERATURE AND LANGUAGE GROUP

A knowledge of some of the more important figures in English, French, German, Latin, and Greek literature. A reading list covering these fields will be furnished each student by his departmental adviser. This list should be supplemented by formal courses.

A sufficient acquaintance with European history to give the proper historical setting.

One year each in French and German beyond the basic language requirement of the College. Another language may be substituted for one of these if the approval of the student's department has been secured. See announcement of Latin 3 C.

A comprehensive examination based upon these requirements.

NOTE: The Literature and Language Group and the Department of History will plan a special program for students who wish to combine concentration in history with a comprehensive study of literature. See also announcement of the Department of History.

LATIN

Professor FRANK

Dr. HAYWOOD

The following courses, in addition to the required courses on pp. 21 and 22, are suggested for students majoring in Latin.

THIRD YEAR

Latin (5 hours)  
Greek  
A modern language  
A science  
A social science or philosophy

FOURTH YEAR

Latin (5 hours)  
Greek  
Archaeology or a science  
A modern language  
Philosophy or a social science

1 C. Elementary Course. Three hours weekly, through the year. M., Tu., W., 9.30. Gilman Hall 105.

The first and second years of preparatory Latin.

2 C. Cicero and Vergil. Three hours weekly, through the year. Th., F., S., 9.30. Gilman Hall 105.

The third and fourth years of preparatory Latin.

3 C. A Survey of Latin Literature. Three hours weekly, through the year. M., Tu., W., 10.30. Gilman Hall 108.

Reading of selections from the more important authors, with lectures on their background.

This course may be substituted for Mathematics 1 C or 2 C or the Survey of Formal Sciences by students intending eventually to enter the Literature and Language Group; or it may be substituted for the additional year of French or that of German required by the Literature and Language Group, with the permission of the department concerned.

Prerequisite: Four years of preparatory Latin, or 1 C and 2 C.

4 C. Tacitus, Annals (selections); Pliny's letters (selections); Catullus. Three hours weekly, through the year. M., Tu., W., 11.30. Room to be announced.

Advanced entering students should elect this course instead of 3 C.

5 C. Plautus and Terence (first term); Lucretius and Sallust (second term). Three hours weekly, through the year. M., T., W., 3. Gilman Hall 105.

6 C. Advanced Latin Composition. One hour weekly, through the year. M., 4. Gilman Hall 105.

7 C. A Survey of Latin Literature. One hour weekly, through the year. T., 4. Gilman Hall 105.

For students majoring in Latin.

Qualified seniors will be admitted to courses 1 P to 5 P in the School of Higher Studies.

MATHEMATICS \*

Professor COHEN  
Professor MURNAGHAN  
Associate Professor ZARISKI

Dr. WILLIAMSON  
Dr. VAN KAMPEN  
Dr. MORRILL

Associate Professor (elect) WILDER  
and Assistants

REQUIREMENTS FOR MAJOR

In addition to courses in allied subjects, to be selected under the direction

\* Sections and rooms will be announced on the days of registration.

Dr. HAYWOOD

Required courses on pp. 21 and 22.

FOURTH YEAR

in (5 hours)  
 or  
 Paleontology or a science  
 or a modern language  
 or Philosophy or a social science  
 weekly, through the year. M.,

weekly, through the year. Th.,

three hours weekly, through the year.

with lectures on their background.  
 Course 1 C or 2 C or the Survey of Formal  
 Literature and Language Group; or it  
 or that of German required by the  
 of the department concerned.  
 and 2 C.

Pliny's letters (selections);  
 the year. M., Tu., W., 11.30.

instead of 3 C.

Caecilius and Sallust (second  
 year. M., T., W., 3. Gilman

hour weekly, through the year.

hour weekly, through the year.

courses 1 P to 5 P in the School of

S\*

Dr. WILLIAMSON  
 Dr. VAN KAMPEN  
 Dr. MORRILL

MAJOR

to be selected under the direction

of registration.

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M

of his adviser, a student majoring in Mathematics should take two standard courses, of three or four hours each, in the third and fourth years. Mathematics 3 C is a prerequisite for these courses.

1 C. Trigonometry; Analytic Geometry; Elements of Calculus. Four hours weekly, through the year. Section 1: M., Tu., W., Th., 10.30. Section 2: W., Th., F., S., 10.30. Section 3: M., Tu., W., Th., 2.

This course is for students who enter without Trigonometry.

2 C. Analytic Geometry; Elements of Calculus. Four hours weekly, through the year. Section 1: M., Tu., W., Th., 10.30. Section 2: W., Th., F., S., 10.30. Section 3: M., Tu., W., Th., 2.

This course is open only to those students who are credited with Trigonometry for matriculation.

3 C. Differential and Integral Calculus. Four hours weekly, through the year. Section 1: M., Tu., W., Th., 10.30. Section 2: M., Tu., W., F., 11.30.

Course 1 C or 2 C is prerequisite to 3 C.

NOTE: A special section in each of Mathematics 2 C and 3 C will be formed for properly equipped students desiring a more comprehensive course.

4 C. Elementary Analysis. Professor COHEN. Three hours, weekly, through the year, M., Tu., W., 9.30.

Topics in Calculus, Differential Equations, Complex Variable Theory.

5 C. Algebra; Geometry. Three hours weekly, through the year. Hours to be arranged.

Determinants, Theory of Equations, Solid Analytic Geometry, Projective Geometry.

6 C. Elementary Probability and Mathematical Statistics. Professor MURNAGHAN. Two hours weekly, second half-year.

7 C. Foundations of Mathematics. Associate Professor WILDER.

A course designed both for students who major in mathematics (serving as an introduction to notions fundamental in higher mathematics) and for those interested in the philosophical implications of various foundation theories. General topics will include: The source and evolution of mathematical ideas and methods; the axiomatic method and its application; relations between mathematics and logic; formalism, logicism, and intuitionism. Particular topics treated include: Sets, the infinite, paradoxes and antinomies, number systems, the continuum, group, function, limit, space and geometry. No particular text will be used; reading of and reports on various treatises and articles in mathematical journals will be assigned to fit the taste of individual students. (Not given 1935-1936)

5 E. Elements of Differential Equations. A course in the Elements of Differential Equations is given in the School of Engineering. Two hours weekly, first half-year. Section 1: M., W., 8.30. Section 2: Tu., Th., 9.30.

Those interested in the foundations theory should consult the announcement of the course A 1 P (first half-year) in the circular of the School of Higher Studies.

\* These are probably year courses and the hours are for 1 semester, so double to get semester hours.

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