DIRECTIONS FOR CORRESPONDENCE

The post office and telegraph address of the college is Williamstown, Massachusetts. The telephone number is Glenview 8-4131 for all departments.

Correspondence concerning matters of general interest to the college should be addressed to the President.

Other inquiries should be addressed to the officers named below:

- Admission of students: Director of Admissions
- Alumni matters: Secretary of the Society of Alumni
- Business matters: Treasurer
- Catalogs and brochures: Director of Admissions
- Graduate study: Chairman of the Committee on Graduate Study
- Scholarships and financial aid: Director of Student Aid
- Student affairs: Dean of the College
- Transcripts and records: Registrar

The corporate name of the College is The President and Trustees of Williams College

VISITS TO THE COLLEGE

Visitors are welcomed at the college and student guides are available throughout the year at the Admissions Office on the main floor of Hopkins Hall. If a visitor wishes to see a specific member of the administration or faculty, it is essential to arrange in advance for an appointment. The administrative offices are in Hopkins Hall. A map of the campus is to be found in the back of this catalog.

Williamstown is most conveniently reached by automobile. A map showing connections with main transportation arteries is to be found in the back of this catalog. A bus from New York City is operated by the Eastern Greyhound Lines and departs from the Greyhound Bus Terminal on West Fiftieth Street. A bus from Boston is operated by the Englander Coach Lines and departs from the Greyhound Bus Terminal on Park Square.
“The final test of any pattern of education is the kind of men and women it produces...the ultimate objectives of liberal education are ideals toward which man can strive but which he can never completely attain. As the student comes to understand these ideals he realizes that the pursuit of them is a life-long enterprise, and that formal education can do no more than set him on the road to becoming a more liberally educated man.”

James Phinney Baxter, 3rd, President
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FOREWORD

Williams College is an independent, privately endowed, liberal arts institution for men. The establishment in 1791 of a "free school" by the will of Colonel Ephraim Williams led to the founding of the college in 1793. The growth of Williams from these beginnings to its present stature as an institution nationally known for academic excellence is traced in the history of the college given on pages 9, 10, 11, 12.

Williams is fortunate in having a beautiful natural setting. It is situated in Williamstown, a small, two-hundred-year old, residential community in the Berkshire Hills of western Massachusetts. A map of the surrounding area will be found at the back of this catalog.

The college is supported mainly by the gifts of its alumni and friends, and the present endowment at book value is more than $23,000,000; at market value it is about $33,000,000. The college has facilities for about 1,100 students. Approximately twenty-five per cent of the undergraduates come from New England, forty-five per cent from the Middle Atlantic States, twenty per cent from the Middle West, and the remainder from other states and foreign countries.

The curriculum at Williams is characterized by its freedom of course election, insistence on diversity, and emphasis on concentration in a major subject. The college seeks to develop in the student those qualities of mind and character which encourage creative, independent, responsible thought and a taste for intellectual adventure. The particular intellectual interests and abilities of the individual are considered of utmost importance, but the college insists on a broad general education and requires that each student become familiar with areas of knowledge outside his own special interests. The first two years are devoted primarily to the discovery of interests and the testing of capacities. The last two years emphasize concentration in a major field but allow for continued pursuit of interests in other areas. Details of the curriculum are described on pages 33-55.

The curriculum permits a student with definite professional objectives to acquire solid preparation for advanced study at a graduate or professional
school; and it also enables those with indefinite plans to explore and test their individual interests and abilities. The general plan of study is made as flexible as possible in order to accommodate those changes in post-college objectives which frequently develop in the course of college experience. Most graduates of Williams continue their studies in graduate or professional schools.

Williams recognizes that the total environment of the college community is in itself a powerful educator. To this end, care is taken to see that the intellectual, spiritual, and physical needs of the students are adequately met. Although Williams is non-sectarian, religious activities have always been important in the life of the college. A full program of extra-curricular activities—social, dramatic, musical, and athletic—is within the reach of all students. But the emphasis is on the unique influences of a college: those of the classroom and the library.

Admission to Williams is competitive. The college is particularly interested in young men of demonstrated ability and motivation for higher education: men who will seek knowledge for themselves and not merely passively attend classes in the expectation of being “instructed”. Admission procedures and requirements are described fully on pages 14-19.

Opportunities for superior students are of particular interest. (See pages 33, 34.) In order to encourage students of superior ability and attainment to undertake demanding academic programs, the college relaxes many of its ordinary requirements. Freshmen with superior secondary school records in a particular subject may be permitted to enroll in advanced courses. Freshmen who have performed satisfactorily in college-level secondary school courses and on the examinations of the Advanced Placement Program (see page 16) are placed in advanced courses and given credit towards the degree. Furthermore, they may be permitted to undertake extra courses at Williams and at approved summer schools and thus earn the B.A. degree in fewer than the normal four years.

Juniors and seniors of superior initiative and ability are given opportunity to exercise originality and responsibility as scholars by participating in departmental programs of special honors courses, by writing honors theses, or by combining these two approaches to the degree with honors.

The counseling services (see pages 187, 188) are an important part of the education program at Williams. Through academic and personal counseling the college endeavors to help each student to gain the maximum benefit from the educational opportunities offered by the college. A faculty adviser checks each freshman’s registration during Freshman Week and is available for ad-
vice and consultation throughout the freshman year. Thirty members of the junior class live in the freshman dormitories and provide assistance. Since most classes are small and the ratio of students to faculty is low, there are many opportunities for informal counseling by classroom instructors.

The facilities and equipment of the college are maintained at a high level of serviceability. The libraries, laboratories, and special facilities of the college are described on pages 195-203, and a map of the campus is provided at the back of this catalog. The libraries include a basic collection of 235,000 volumes and over 100,000 unbound United States public documents. More than 13,500 rare books, manuscripts, and reference books are to be found in the Chapin Library. The Lawrence Art Museum houses a notable collection, and the resources of the Clark Art Institute are conveniently available.

Williams is a residential college. Dormitory accommodation is provided in the ten dormitories of the college and in the fifteen fraternity houses near the campus. Freshmen are housed together, principally in three dormitories, and take their meals in the freshman dining room of Baxter Hall. Procedures for room applications by newly-admitted students are detailed on page 18.

Fraternity membership is restricted to sophomores and upperclassmen. Each fraternity has its own dining room and provides dormitory accommodation for some of its juniors and seniors. Dining and recreational facilities for sophomores and upperclassmen who are not members of fraternities are located in Baxter Hall, the center of undergraduate activities.

Tuition at Williams is currently $1,200 a year. Overall college expenses on a minimum normal budget are estimated at about $2,600 for freshmen and range between $2,800 and $2,950 for upperclassmen. Details of expenses are given on pages 20, 21.

Scholarships and other means of financial aid are given special emphasis. Limited resources should not discourage a prospective college candidate from making application. At least one freshman in four receives a scholarship on entrance, and $250,000 in scholarships was awarded to undergraduates during 1959-1960.

Among the many forms of student aid available, several special scholarships are of particular interest. The Alfred P. Sloan National Scholarships are awarded to a number of unusually well-qualified freshmen. These scholarships provide for annual grants up to $2,000 and they may be renewed annually for the entire four years. The Tyng Foundation Scholarships, open to gifted students throughout the country, are scaled to need with a view to defraying all necessary expenses at Williams. Provision is also made for
continuing these awards in order to finance up to three years of graduate study for deserving scholars. The full program of Scholarships and Financial Aid will be found on pages 22-32.

Undergraduate activities center in Baxter Hall, the student union with facilities resembling those of a club. The organization of these activities is explained on pages 204-212. Special interest attaches to the system of self-government, which extends into every phase of college life; and to the honor system, which has operated at Williams for over half a century (see page 184). Examinations are not proctored. The integrity of every student is assumed.
HISTORY OF THE COLLEGE

The chartering of Williams College in 1793 was an act of faith and certainly an act surpassing the modest intentions of Colonel Ephraim Williams, for whom the college is named.

Colonel Williams had not intended to found a college. Enroute with his regiment of Massachusetts militia to join battle with the French and Indians at Lake George, the Colonel had tarried long enough in Albany to write his last will and testament on July 22, 1755. In it he bequeathed his residuary estate for the founding and support of a free school in West Township, where for some years he had commanded a detachment of militia at Fort Massachusetts, farthest outpost of the province. The will stipulated that West Township, then in dispute between Massachusetts and New York, must fall within Massachusetts and that the name of the township must be changed to Williamstown, if the free school was to be established at all.

On September 8, 1755, Colonel Williams was killed at the Battle of Lake George. On October 26, 1791, after many delays, fifteen scholars were admitted to the free school in Williamstown. Within a year the trustees, not content with the original modest design of the founders, were captivated by the idea of creating a college where, as they put it, “young gentlemen from every part of the Union” might resort for instruction “in all the branches of useful and polite literature”. The proposal was extremely ambitious, to be sure, but ambition was a common American ailment. England did not develop a third university until the nineteenth century; Williams was the twenty-first institution of higher learning to flower in the onetime British colonies, the second in Massachusetts, the sixth in New England. On June 22, 1793, the Commonwealth of Massachusetts granted a charter to Williams College.

The bold decision to plant a college in the wilderness betrayed the intentions of Colonel Williams; yet the new vision had been fed by the same sort of dreams that had led Ephraim Williams to see a school and a comfortable community where only a military outpost had stood. The early trustees and the legislature of the Commonwealth were to be remembered for their foresight, but in the decades after 1793 they had reason to acknowledge that the soil they had chosen was stubbornly un congenial—so uncon-
genial, in fact, that for many years the trustees of Williams spent more time and energy in trying to close the college than in keeping it open.

In 1819 they petitioned to move the college to Northampton, and in 1821, having been spurned by the legislature, President Zephaniah Swift Moore took matters into his own hands. Convinced that almost everything about Williams was impossible—its location, its funds, its enrollment—he led a group of students over the mountains into the Connecticut valley. There he became their president once again, at the struggling new college known as Amherst. As for Williams, one member of the senior class wrote home to his father: "It remains for us to say whether it shall die suddenly, or whether it shall linger along for 2 or 3 years."

In the past the public had come to the support of the institution. A lottery furnished funds essential to the opening of the free school. A public subscription was the answer of Berkshire County to the threat of removal in 1819. What saved the college in 1821 was the willingness of the Reverend Edward Dorr Griffin to take the job of president and the determination with which he drew upon the college's reputation for religious conservatism to collect much-needed funds. By 1828 the Reverend Griffin could be seen standing in the middle of Main Street, supervising the construction of a handsome new building, housing a chapel, a library, and classrooms, a testament to his confidence and his skill. The building is now known as Griffin Hall.

The college which had been taking shape under Griffin and his predecessors was not unlike many other New England colleges where the classical curriculum and a moral atmosphere served as the basis for training young men for professional life. The college turned out its share of clergymen, doctors, lawyers, and teachers, serving the needs of western Massachusetts and surrounding communities in New York and Vermont. But Williams was not yet a place to which "young gentlemen from every part of the Union" resorted. In fact, Nathaniel Hawthorne, attending the commencement exercises in 1838, jotted in his notebook some observations on the Williams students he saw there: "Country graduates—rough, brown-featured, schoolmaster looking... .A rough hewn, heavy set of fellows from the hills and woods in this neighborhood; unpolished bumpkins, who had grown up as farmer-boys."

Williams seldom knew financial security until the end of the nineteenth century. But it did have assets that enabled it to develop into a prototype of the small New England liberal arts college. Scenery, a reputation for moral soundness, a loyal body of alumni, and a devoted faculty went a long way toward compensating for inadequate funds.

Of the scenery Thoreau remarked, after a visit in 1839, "It would be no small advantage if every college were thus located at the base of a mountain."
For Thoreau the location of Williams was "as good at least as one well-endowed professorship." In the early years the religious reputation of the college depended on the essential orthodoxy of its presidents and faculty. It gathered strength from the famous episode of the "haystack meeting" in the summer of 1806. Five Williams undergraduates, seeking to continue their prayers and conversations in spite of a sudden thunderstorm, retired from a grove of trees to the shelter of a nearby haystack, where they were inspired to launch the great adventure of American foreign missions. The college's reputation for soundness in religion benefited, too, from the fact that its extremely informal ties with the Congregationalists saved it from the sometimes stifling stranglehold of an organic denominational connection.

During a crisis in the affairs of the college in 1821, a group of alumni met in Williamstown and organized the Society of Alumni, dedicated to the future welfare of the college. Their action gave Williams the distinction of organizing the first college alumni society in history. Alumni loyalty was rewarded when, in 1868, the college provided for official alumni representation on the board of trustees, an act of recognition in which only Harvard, among American colleges, anticipated Williams.

But essentially the college has built its reputation around teachers and teaching. Mark Hopkins, who was a Williams professor from 1830 to 1887 and president of the college from 1836 to 1872, has become a symbol of this emphasis. In American education Hopkins pioneered in making the student the center of the educational experience, and he did it so well that one of his former students, U. S. President James A. Garfield, immortalized his achievement in an aphorism which has passed into the lore of American education: "The ideal college is Mark Hopkins on one end of a log and a student on the other." The Hopkins tradition has become one of the college's great assets. It has been perpetuated in the lives of generations of teachers.

Scenery, a reputation for building sound character, loyal but not especially affluent alumni, and devoted teachers could keep the college open, but like most other colleges Williams did not experience growth and prosperity until the closing decades of the nineteenth century. The scenery, of course, remained constant, but it developed into an even greater asset as the United States became more urbanized and industrialized. Williams was still a country college: a Massachusetts court decision of 1888 declared that cows owned by the college were tax exempt. The discovery that businessmen could profit from liberal education sent college enrollments upward as the century drew to a close; now more Williams alumni were men of affairs, fewer were clergymen. By 1906, of all the colleges in New England, Williams drew the largest percentage of students from outside New England.

From 1793 through 1870 the Commonwealth of Massachusetts appro-
History of the College

appropriated for Williams College over $150,000, a sum of such importance that Mark Hopkins himself observed that he did “not see how the college could have got on” without state aid. A new and more dependable source of financial support was developed as the century drew to a close. In the 1890's Frederick Ferris Thompson of the Class of 1856 became the first of many individuals to supersede the Commonwealth as the largest benefactor of the college.

Williams moved into the twentieth century firm in its intentions to remain a college, at a time when aspirations toward university status were unsettling many of the old colleges. It adhered to a curriculum that was designed for undergraduates; it made room for the elective principle, but it subjected course election to safeguards and controls. The idea of a liberally educated man was not jettisoned in favor of the widely accepted idea of almost complete student freedom in course election. A survey of the college curriculum in 1925 showed that Williams had combined the principles of prescription and election, the goals of concentration and distribution, in such a way as to be the only major American college without any absolutely required courses and without any uncontrolled wide-option electives. The Williams curriculum has continued to evolve, but it has not undergone such a series of major overhauls as characterize curriculums inspired by the popular educational fancy of the moment. Not having abandoned itself to the elective principle in the nineteenth century, Williams did not need to rescue itself with the general education principle in the twentieth century.

The college has grown slowly through the years. The increase in students and faculty and changes in the curriculum have made necessary increases in the endowment. Colonial Williams' original bequest of $11,277 has grown by additional gifts and bequests to about $23,000,000. The most rapid growth has been during the last two decades, in which the value of both plant and endowment has doubled and the endowment income has trebled. A study of the changing curriculum reveals the rise of the natural and physical sciences, the expansion of subject matter, the steady reshaping by the modern world of a course of study originally designed for the ancients. But the guiding spirit of the college has not wavered from the statement of purpose expressed by Mark Hopkins in his inaugural address of 1836: “We are to regard the mind, not as a piece of iron to be laid upon the anvil and hammered into any shape, nor as a block of marble in which we are to find the statue by removing the rubbish, nor as a receptacle into which knowledge may be poured; but as a flame that is to be fed, as an active being that must be strengthened to think and to feel—and to dare, to do, and to suffer.”

- 12 -
PRESIDENTS OF WILLIAMS

Ebenezer Fitch, D.D., 1793-1815
Zephaniah Swift Moore, D.D., 1815-1821
Edward Dorr Griffin, D.D., 1821-1836
Mark Hopkins, M.D., D.D., LL.D., 1836-1872
Paul Ansel Chadbourne, D.D., LL.D., 1872-1881
Franklin Carter, Ph.D., LL.D., 1881-1901
John Haskell Hewitt, LL.D., Acting President, 1901-1902
Henry Hopkins, D.D., LL.D., 1902-1908
Harry Augustus Garfield, L.H.D., LL.D., 1908-1934
Tyler Dennett, Ph.D., Litt.D., L.H.D., LL.D., 1934-1937
James Phinney Baxter, 3rd, Ph.D., Litt.D., L.H.D., D.Sc., LL.D., 1937-
The present enrollment of approximately 1,100 will be maintained for the coming year. Facilities for new men will be limited; consequently, admissions will continue to be highly competitive, and it will be impossible to admit more than approximately 285.

The college operates on a two-semester year program and consequently new students will be admitted only for the term beginning in September.

Under present conditions, only a few men who have completed one or two years with a good record at an accredited college may be considered as transfers.

General Basis of Selection

The Committee on Admissions selects from the candidates for admission to the freshman class those young men thought to be best qualified to profit from the educational opportunities offered by the college.

The Committee considers the following factors:

(1) Evidence of high motivation for intellectual pursuits and a seriousness of purpose.
(2) Academic performance in secondary school.
(3) The recommendation of the school's principal, headmaster, or the student's counselor.
(4) The results of the College Entrance Examination Board Scholastic Aptitude Tests (see page 15).
(5) Character, dependability, and leadership in curricular, extra-curricular, and community affairs.

Admission Requirements

(1) Candidates for admission are required to complete the college preparatory course at a secondary school with grades sufficiently high to warrant recommendation by the school for college study.
(2) All candidates for admission are requested to take the Scholastic
Aptitude Test of the College Entrance Examination Board. This test is now being given six times a year—in January, February, March, May, August, and December. Candidates generally are expected to take this test in December or January of their senior year. This test consists of verbal and mathematical sections. No special preparation is needed, but practice forms are distributed by the Board. This requirement does not lessen the importance which the Committee on Admissions places on school records, school recommendations, and personal interviews. The ratings attained by candidates will be considered, however, by the Committee on Admissions and will also be used in advising freshmen regarding their courses.

Arrangements to take this test are usually made through the student's secondary school. Application blanks for the Scholastic Aptitude Test and a bulletin containing general information about this test may also be obtained from the College Entrance Examination Board, P. O. Box 592, Princeton, New Jersey (Candidates from Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming should write the College Entrance Examination Board, P. O. Box 9896, Los Feliz Station, Los Angeles 27, California.) The application blank must be returned to the College Entrance Examination Board together with the required fee.

In some cases the committee will require candidates to take College Board Achievement Examinations in March of their senior year.

(3) The college feels that a personal interview is of value both to the candidate and the college. Accordingly, each candidate for admission is required to arrange for an interview as early as possible before April 1 by writing to the Director of Admissions. A visit to Williamstown is strongly urged. An appointment should be arranged in advance with the Admissions Office. If a trip to Williamstown is not feasible, the Admissions Office may be able to arrange an interview at the applicant’s school or through regional alumni associations. If the Admissions Office finds, however, that it is not possible to arrange an interview, the candidate’s opportunity for admission will not be prejudiced.

(4) Candidates for admission in September 1963 and thereafter will be required to present three years of study of one foreign language (classical or modern) or the equivalent. Exceptions will be considered when unusual circumstances have made such preparation impossible. Such candidates, if admitted, may be required to take extra courses to make up the deficiency.

*Recommended Preparation*

The Committee on Admissions is more interested in the quality of a student’s work and in his general promise and seriousness of purpose than in
Admissions

counting his units in specifically required subjects. It is assumed that all applicants for admission will have studied English for four years and mathematics for at least three years. The study of one foreign language for three or, preferably, four years is strongly recommended. Candidates for admission in September 1963 and thereafter will be required to present three years of study of one foreign language or the equivalent (see above). An applicant wishing to satisfy the present foreign language requirement for a degree (see page 34) may do so before entering college by achieving a satisfactory score on the College Entrance Examination Board Language Achievement Test. In addition, candidates for admission will ordinarily have studied one or more courses in history and one or more courses in science.

Applicants for admission who are considering the Massachusetts Institute of Technology-Williams Combined Plan of a liberal arts program and engineering (page 38) should present for entrance credit one year of chemistry, one year of physics, and four years of mathematics, including trigonometry.

Those students wishing to offer more varied or specialized courses for entrance should discuss them with the Director of Admissions to determine how they may be adjusted to the Williams curriculum.

Admission With Advanced Placement

Williams College subscribes to the purposes of the Advanced Placement Program, which is administered by the College Entrance Examination Board. The aims of this program are to give superior students the opportunity to undertake college-level courses in secondary school, to reduce duplication in college of work done in school, and to increase for these students the opportunity to take advanced work in college. If applicants enrolled in secondary schools which are participating in this program have had the equivalent of a one-year college-level course in American history, biology, chemistry, English, European history, French, German, Latin, mathematics, physics, or Spanish, they are eligible to take the appropriate examinations given by the College Entrance Examination Board. The examinations are administered to students by their schools in May.

The applicant should request the College Entrance Examination Board to send the results of these tests to the Registrar. The results, the examination papers themselves, and the report from the student's school will be reviewed carefully by the appropriate departments. Qualifying students will be given the opportunity of placement in advanced courses not ordinarily open to freshmen and will possibly be given credit toward the degree. On arrival at the college, applicants will be notified of the departmental decisions by the Registrar.
In addition to the participants in the Advanced Placement Program, freshmen with superior records in particular subjects may be permitted to enroll in advanced courses.

Questions about advanced placement should be directed to the Registrar.

Scholarships and Financial Aid

Prospective freshmen who wish to obtain scholarship aid should so indicate when making preliminary application for admission and should address all inquiries regarding scholarships to the Director of Admissions. A statement of general policy in awarding scholarships is to be found on page 22 under “Scholarships and Financial Aid”.

Application Procedure

(1) Preliminary application. The preliminary application form found on page 308 may be filed at any time; early application is advised though priority is not a factor in selection. (It is doubtful whether the Committee will be able to consider any applications filed after March 1, preceding the fall of entrance.)

(2) Application form. Final application forms are sent to candidates in October of the senior year. Students who file preliminary application cards after October 15 will be sent final application forms at once.

The final application form should be accompanied by a check or money order for $10 to cover the non-refundable application fee.

(3) Application for Scholarship. Each applicant indicates on the preliminary application form (page 308) whether or not he is applying for a scholarship. Williams participates in the College Scholarship Service of the College Entrance Examination Board, and uses its application forms. These forms are available at the applicant's secondary school. Scholarships and financial aid are discussed in detail on page 22.

(4) School Transcript and Recommendation. The Director of Admissions requests from the applicant's school, after the first term of his senior year, a transcript of his record and a recommendation concerning his fitness for further study at Williams College.

(5) Arrangements for Aptitude and Language Achievement Tests. Aptitude and Language Achievement Tests are usually arranged for at the applicant's school. Information may also be obtained by writing to the College Entrance Examination Board (see page 15). Each applicant takes the aptitude tests in December, January, February, or March. The college urges
Admissions

all candidates, particularly scholarship candidates, to take the aptitude examination in December or January to facilitate early decisions. Students planning to fulfill the foreign language requirement (page 16) before entering college should arrange to take the appropriate College Entrance Examination Board Language Achievement Test at his secondary school when he completes his study of the language. The candidate should request the College Entrance Examination Board to forward the results of all tests to the Director of Admissions.

(6) Arrangements for Advanced Placement Tests. (Page 16.) Advanced Placement Tests are arranged at the applicant's school and are taken in May of the senior year. The applicant should request the College Entrance Examination Board to send the results of the tests to the Registrar.

(7) Interview. Candidates should request the Director of Admissions to arrange a personal interview (page 15), and the interview should be completed by April 1.

(8) Admission. The college grants provisional admission to successful candidates in the latter part of April and at the same time advises unsuccessful candidates of its decision.

The college has no formal early admissions plan but it is pleased to make early commitments to candidates where academic performance through the junior year and results on the College Board Scholastic Aptitude examination are clearly superior.

(9) Room Assignment. An application form for a room assignment is sent to each successful applicant by the Director of Admissions after the applicant has notified the Director of his intention of entering Williams. Notice of the room assignment is sent to the applicant during the summer.

(10) Final Admission. Notice of final admission is sent to the successful applicants after their work in their final school year has been completed.

(11) Registration for Freshman Courses. A freshman registration form and a copy of the freshman registration bulletin are sent to each successful applicant by the Dean of Freshmen after the applicant has notified the Director of Admissions of his intention to enter the college. The registration form is completed by the student in consultation with his school guidance officer and returned to the Dean of Freshmen. On arrival at the college the student will have an opportunity to check his registration with his faculty adviser.

Bowdoin Plan and Haystack Scholarships

Williams College offers each year several one year full tuition scholarships for foreign applicants under its Bowdoin Plan Program and two full con-
tinuing scholarships under the Haystack Memorial Scholarship Program. Tuition and certain fees for Bowdoin Plan students are remitted by the college, and room and board are financed by the undergraduates. The Haystack Scholarships provide full tuition, room, board, and fees for two foreign students who are degree candidates. The purpose of the Bowdoin Plan awards is to permit as many foreign students as possible from all parts of the world to spend a complete year of study at Williams. Bowdoin Plan students are classified as special students and are ordinarily not degree candidates.

Inquiries regarding these awards should be made to the Director of Admissions, Williams College, Williamstown, Massachusetts. Formal applications will be mailed after February 1, preceding the fall of entrance, and must be returned by May 1. Selection is made on the basis of the candidate's academic record to date, reasons for study in the United States, and his knowledge of English. It is hoped that selections can be completed by June 1.

Transfer Students

Transfer applications are available upon request any time after November 1 of the year preceding anticipated entrance; such applications should be filed by March 1. Transfer applicants are required to submit scores of the College Board Scholastic Aptitude Test and a statement of honorable dismissal from their previous college. If the applicant did not take this examination in his senior year of secondary school, he should plan to do so in either January or March of the year in which he is applying for entrance. The number of transfer students that can be accommodated is very limited; consequently, applicants should present a strong record from their previous college. All candidates for the Williams degree must satisfy divisional and major requirements (pages 35, 36) as well as the minimum two years residence requirement.
**EXPENSES**

Williams endeavors, within the limits of available funds, to offer its educational opportunities to all who qualify for admission, regardless of individual economic circumstances. Through the income from its endowment, and through annual contributions from its alumni and friends, the college has been able to keep its fees at about half the actual cost per student to the college.

College charges for tuition, room, board, and fees for an academic year of two terms are as follows:

<table>
<thead>
<tr>
<th>Service</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td>$1,200.00</td>
</tr>
<tr>
<td>Health fee</td>
<td>25.00</td>
</tr>
<tr>
<td>Athletic and Gym fees</td>
<td>37.00</td>
</tr>
<tr>
<td>Student Union fee</td>
<td>10.00</td>
</tr>
<tr>
<td>Basic Accident Insurance</td>
<td>8.00</td>
</tr>
<tr>
<td><em>(Tuition and fees)</em></td>
<td><strong>$1,280.00</strong></td>
</tr>
<tr>
<td>Room fee—Freshmen</td>
<td>300.00</td>
</tr>
<tr>
<td>Room fee—Upperclassmen</td>
<td>$250.00 or 300.00</td>
</tr>
<tr>
<td>Student Union Board (20 meals a week)</td>
<td>470.00</td>
</tr>
</tbody>
</table>

Special course fees varying in amount from $2.50 to $25.00 a semester are charged students taking courses in which laboratory sessions are held or where special materials are required, as in music or architecture. A charge of $120 a semester is made for each extra course, above the normal five course program.

Late registration or enrollment entails a fine of $10 and a change in course a fine of $5.00. Each senior is charged a graduation fee of $10. Optional catastrophe accident and sickness insurance policies and their premiums are described on page 214.

A student activities tax for support of the non-athletic student organizations is levied on all students as a part of the college term bill in an amount as required by approved organizational budgets. For the year 1959-60 the tax was $19 and included, for example, subscription to the college yearbook,
The Gulielmensian, and admission to drama productions sponsored by the Adams Memorial Theatre.

**Payment of College Bills**

A non-refundable deposit of $50 to reserve a place in the class is required from all freshmen at the time of acceptance in May and appears as a credit on the first term bill rendered in September. College bills are mailed to parents in advance of each term, and must be paid before students may attend classes. Scholarship awards are credited on college bills.

For parents desiring to pay college bills in monthly installments and to protect their son’s college plans with insurance, the college offers the services of the Insured Tuition Payment Plan, Richard C. Knight, 112 Water Street, Boston 9, Massachusetts. The Treasurer’s Office sends full details of this plan to parents of incoming freshmen every spring, and information about it may be obtained from the Treasurer or directly from Mr. Knight at any time.

No refund of payment for or credit on college bills will be made when a student withdraws or is dismissed from college except for student union board charges which will be pro-rated. Refund may sometimes be made in other cases at the discretion of the treasurer when exceptional circumstances exist.

**Estimated Budget for a College Year**

Based on a study of expenses reported by scholarship students, a minimum normal budget for a college year (two semesters) at Williams is estimated as follows:

<table>
<thead>
<tr>
<th></th>
<th>Freshmen</th>
<th>Upperclassmen</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tuition</strong></td>
<td>$1,200</td>
<td>$1,200</td>
</tr>
<tr>
<td><strong>Fees</strong></td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td><strong>Special Course Fees</strong></td>
<td>0–50</td>
<td>0–50</td>
</tr>
<tr>
<td><strong>Student Activities Tax</strong></td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td><strong>Room Rent</strong></td>
<td>300</td>
<td>250–300</td>
</tr>
<tr>
<td><strong>Board</strong></td>
<td>470</td>
<td>525</td>
</tr>
<tr>
<td><strong>Books</strong></td>
<td>65</td>
<td>80</td>
</tr>
<tr>
<td><strong>Fraternity expenses</strong></td>
<td>—</td>
<td>225–300</td>
</tr>
<tr>
<td><strong>Clothing</strong></td>
<td>125</td>
<td>100</td>
</tr>
<tr>
<td><strong>Laundry, cleaning</strong></td>
<td>70</td>
<td>70</td>
</tr>
<tr>
<td><strong>Recreation, incidental</strong></td>
<td>200</td>
<td>200</td>
</tr>
</tbody>
</table>

$2,550–2,600

$2,770–2,945

Note: Travel expenses are not included in the above figures because this item varies greatly with each individual. Distance from Williamstown is an important factor considered by the Committee on Student Aid in determining the amount of individual financial aid.
SCHOLARSHIPS AND FINANCIAL AID

Scholarships

Williams College is very much aware of the fact that higher education at a private college is becoming each year an increasingly difficult matter to finance and that all too many able secondary school students are not continuing their education for this reason. The financial aid program at Williams has recently undergone revision and scholarships, loans, and opportunities for campus employment have been increased. At least one freshman in four receives outright scholarship aid upon entrance, and it should be emphasized that limited resources should not discourage a prospective college candidate from considering Williams. Also at any subsequent point during his college career a student may apply for financial assistance.

Scholarships are the most prominent feature of the present financial aid program at Williams. Grants are made, according to individual need, on the basis of strong academic performance, satisfactory aptitudes, and the individual's character and promise. These grants range from a few hundred dollars up to $2,000 per year. Approximately $250,000 worth of scholarships were awarded to undergraduates during 1959-60.

A list of special scholarships, some of which are awarded to incoming freshmen, would include those given by the Sloan Foundation, General Motors, Inland Steel, Procter and Gamble, Westinghouse, and the Tyng Foundation. Details of scholarships are given on pages 24-32.

Application by Incoming Freshmen

No special examinations are required of scholarship applicants other than the College Board Scholastic Aptitude Test, which must be taken by all candidates for admission. All applicants for scholarships are requested to register for the College Board Examinations given in December or January.

Williams participates in the College Scholarship Service of the College Entrance Examination Board and uses its application forms for every freshman applicant. These forms are available at the applicant's secondary school.
Renewal of Scholarships

Scholarship grants ordinarily cover a college year of two terms and are renewed for subsequent college years provided the student's financial need continues and provided he maintains the prescribed academic average and standards of conduct. Application for scholarship renewal is filed at the end of each college year, but the Committee on Student Aid may review a case at the end of any term.

The Committee on Student Aid has established the following minimum academic standards for renewal of scholarships:

1. Freshmen—minimum grade average of 5.4 (between C and C+) to be eligible for renewal of scholarship for the full sophomore year. If the student fails to achieve this average for the entire freshman year, but does reach this level the second semester, he will then be eligible for renewal of scholarship for the first semester of the sophomore year.

2. Sophomores—minimum grade average of 6.0 (C+) to be eligible for renewal of scholarship for the junior year.

3. Juniors—minimum grade average of 6.4 (between C+ and B-) to be eligible for renewal of scholarship for the senior year.

4. Seniors—minimum grade average of 6.4 (between C+ and B-) to be eligible for scholarship consideration at midyears.

5. Tyng scholars—for freshmen a minimum grade average of 6.0 (C+) and for sophomores and upperclassmen a minimum grade average of 8.0 (B) for scholarship renewal.

Loans

The college recognizes that there are some students who deserve financial aid but who are not eligible for scholarships. A loan program exists for these students, but loans are not available for freshmen the first semester, and are available in the second semester only under extraordinary circumstances. Normally this type of financial aid is granted to those students who otherwise qualify for a scholarship but who have failed to satisfy minimum academic requirements. The maximum assistance available to an individual for a given year is an amount equal to tuition. Such loans carry no interest until graduation or departure from college.

The following loan funds are held by the college:

Scholarships and Financial Aid

Opportunities for Employment

It is possible for ambitious and needy students to find employment during the college year to defray a portion of their expenses. It is unwise for a student to expect to earn a significant part of his college expenses, especially if he is a freshman, handicapped by lack of experience and by the need to adjust himself to a new environment.

Nearly six hundred positions in over sixty different job categories are filled each year by undergraduates. Many of the college departments hire student assistants while the library, all the dining halls and student-operated agencies account for another large portion of undergraduate labor. During the college year students add approximately $80,000 earned on campus to at least $400,000 earned during an average summer.

The Office of Student Aid, located in Hopkins Hall, is generally responsible for all student employment opportunities.

Special Scholarships*

*Edith Weston Andrews Scholarship.* Fund of $30,000 established in 1956. Bequest of Karl E. Weston '96 in memory of his sister. Preferential consideration is given to students majoring in art.

*James P. Baxter, 3rd Honor Scholarship.* Established in 1959 as part of the “Williams Program”, this scholarship is given in honor of James P. Baxter, 3rd as a tribute to his dedicated pursuit of excellence as demonstrated during his years as college president. Awarded for the senior year to that scholarship student who has held the highest academic rank among all scholarship students during the junior year. This scholarship shall be administered by the College Scholarship Committee in such a way that the recipient’s need to seek employment during his senior year will be substantially reduced or eliminated by this award.

*James Beebee Brinsmade Scholarship.* Fund of $15,000 established in 1951. Bequest of Mrs. Margery G. Brinsmade in memory of her husband, James Beebee Brinsmade, who taught physics at Williams for seventeen years and who was chairman of the department from 1930 to 1937. To assist students “interested in the science of physics.”

*Joseph W. Brooks ’13 Scholarship.* A memorial fund created in 1957 by friends of Joseph W. Brooks ’13, the income of which is administered by a special committee. Awarded to qualified students who are residents of

*A list of the current recipients of scholarships is given in the back of this catalog.*
New York City or vicinity with preference given to those who are members of the Boys' Club of New York City or its alumni organization.

James Wilson Bullock Scholarship. Fund of $15,000 established in 1935 by Mrs. Margaret McCredie Bullock, in memory of her husband, James Wilson Bullock '81. To meet the tuition charge of a student resident of the County of Hamilton, Ohio, or from the state of Ohio should there be no student available from Hamilton County.

John H. Burke Scholarship. Fund of $15,000 established in 1950. Bequest of Mrs. Minnie A. Burke in memory of her husband, John H. Burke '84, to establish two scholarships for needy students attending Williams College who are residents of Saratoga County, New York, preference being given first to those from Ballston Spa and vicinity and second to those from Mechanicville and vicinity. Should there be no such candidates, students from other places may be considered.

Chi Psi Scholarship. A scholarship of $550 offered by the Alpha Theta Educational Foundation to be awarded annually through the college to a worthy undergraduate of limited means, preference to be given to a member of the Williams Chapter of the Chi Psi Fraternity. The recipient is to be selected by the Committee on Student Aid, after consultation with the President of the Foundation.

George Alfred and Edith T. Cluett Scholarship. Friends of Mr. and Mrs. Cluett, on the occasion of their fiftieth wedding anniversary in December, 1949, contributed to establish this fund in their honor. Mr. Cluett was a member of the class of 1896 at Williams.

Cadwallader Evans, III Memorial Scholarship. The parents, classmates, and friends of Cadwallader Evans, III, class of '38, have established a full tuition scholarship in his memory. Awarded at the beginning of junior year to a student majoring in English or art, it may be extended for a second year at the discretion of the awarding committee, which consists of the Dean of the College and the chairmen of the English and art departments. Preference is given to a deserving student who is a member of Chi Psi fraternity.

Thomas S. Fagan Scholarship. Fund of $60,000 established in 1924 by Miss Mary Kate Fagan, in memory of her brother, Thomas S. Fagan '82. For worthy students of limited means who come from Troy, New York, or its vicinity. Should there be no such candidates, students from other places may be considered.

Irving D. Fish '12 Memorial Fund. Established in 1953 as a memorial fund by the family and friends of Irving D. Fish '12, the income from which shall be used to assist deserving students. To be awarded to "the outstanding member of the sophomore or junior class, qualifying for financial aid, who
Scholarships and Financial Aid

has demonstrated by his character, ability, and general conduct, without high scholastic standing being the sole criterion, that he will become a valued member of the Williams family, as did the alumnus in whose memory the fund has been created."

**General Motors Scholarship.** Established in 1955 by the General Motors Corporation. To be awarded to an incoming freshman who has attained an outstanding scholastic record and who has demonstrated leadership. Awards may range up to $2,000 a year depending upon individual need. This scholarship is renewed annually provided the recipient’s record justifies such renewal.

**John D. Hass Scholarship.** Fund of $22,500 established in 1928 by Mrs. Charles Gilbert Milham (nee Hass) in memory of her brother, John D. Hass '11. To graduates of the public high school of Pittsfield, Massachusetts, or, failing a candidate from this school, to graduates of any other high school in Berkshire County.

**Haystack Memorial Scholarship.** Established in 1956 by Williams students in observation of the sesquicentennial of the Haystack Prayer Meeting. An amount is raised each year on campus to help meet the living expenses of one or more foreign students at Williams. Tuition is remitted by arrangement with the Trustees.

**Inland Steel Foundation Scholarship.** Established at Williams in 1956 by the Inland Steel Company to enable an outstanding student to have an education which would otherwise be beyond his means. Special consideration is given to sons of employees of the Inland Steel Company and subsidiaries.

**J. A. Jeffrey Scholarship.** Fund of $25,000 established in 1927. The gift of Robert Hutchins Jeffrey of the class of 1895 in memory of his father and mother, Mr. and Mrs. J. A. Jeffrey, to assist worthy students of limited means.

**Charles Bridgen Lansing Scholarship in Latin and Greek.** Fund of $20,000 established in 1929. Bequest of Mrs. Abby S. L. Selden in memory of her father, Charles Bridgen Lansing. Recipients to be selected by the President and the head of the classics department, either as a graduate or undergraduate scholarship.

**John W. Lasell Scholarship.** Fund of $20,000 established in 1951. Gift from five members of the Lasell family in memory of John W. Lasell '20, who was killed in action in World War II. To assist deserving students from Massachusetts, with preference given first to those living in Whitinsville and second to those living in Worcester County.

**Conrad Markwald Delta Upsilon Scholarship.** Fund of $5,000 established in 1941. Gift of DeEtte Markwald in memory of her son Conrad, of the class
Scholarships and Financial Aid

of 1912. Preference given to a deserving student who is a member of the Delta Upsilon Fraternity.

**Lieut. F. Kendall Mitchell Scholarship.** Fund of $15,000 held by the Zeta Psi Educational Foundation. Bequest of Mrs. Elizabeth C. Mitchell in memory of her son, F. Kendall Mitchell '39, killed in action in the Pacific on December 4, 1944. The income from this fund is to be used to assist a needy student.

**Procter and Gamble Scholarship.** Established at Williams in 1955 and awarded to an entering freshman. The scholarship is designed to cover tuition, fees, books, and supplies for each of four years, provided the recipient adheres to the scholarship regulations of the college.

**Charles Sprague Sefton Scholarship.** Fund of $15,000 established in 1945. Gift of Mrs. Mary B. Brandegee in memory of her grandson, Charles Sprague Sefton, a member of the class of 1944 who died in the service of his country May 28, 1945.

**Harland K. Simonds Scholarship.** Fund of $10,625 established in 1948. Gift of Mr. Harland K. Simonds to assist deserving students from Fitchburg, Massachusetts, or from the Commonwealth of Massachusetts if students from Fitchburg are not available.

**Alfred P. Sloan National Scholarships.** Established at Williams in 1954 to be awarded to entering freshmen. In selecting scholars for Sloan awards, Williams will seek candidates with strong academic records who, in addition, have shown "unusual industry and initiative in enterprises which are intrinsically worthwhile; who have the highest reputation for personal integrity in their respective communities; and who have exhibited a capacity both for assuming and discharging responsibility satisfactorily and for working harmoniously and efficiently with others." The size of the grants will be determined by the economic need of the individual student. Ranging from a minimum "prize" award of $200 to a maximum annual grant of $2,000, these scholarships may be renewed annually to cover the entire four years at Williams, provided the recipient's record justifies such renewal.

**Francis Lynde Stetson Scholarship.** Fund of $195,000 established in 1922. Under the terms of the will of Francis Lynde Stetson 1867, scholarships are awarded to qualified applicants from northern New York State in the following order: (1) Plattsburg, (2) Champlain, (3) Chazy, (4) Ausable, (5) Essex. If scholarship awards in this area do not exhaust annual income of the fund, awards may be made to applicants from the entire Northeastern area of New York State.

**Jacob C. Stone Scholarship.** Gift of Jacob C. Stone '14. An annual award to a student considered worthy by the Committee on Student Aid.
Scholarships and Financial Aid

John Cowperthwaite Tyler Memorial Scholarship. Established in 1920 by Mrs. Walter L. Tyler in memory of her son, who fell in action during World War I.

Stephen H. Tyng and Stephen H. Tyng, Jr. Foundation Scholarships. Established in 1942. Bequest of Mrs. Juliet Augusta Tyng in memory of her husband, a member of the class of 1886, and of her son, who was killed during World War I. Awarded to gifted and deserving students with a view to meeting the individual need of each recipient and freeing him from the necessity of earning part of his expenses during the college year. All grants are made on a four-year basis, provided that financial need continues and that good conduct and high scholastic standing are maintained. Tyng scholars are eligible for further assistance at the graduate level for a maximum of three years in any field of learning at any recognized university.

Lieut. David Van Alstyne, III Memorial Scholarship Fund. Established in 1952 by the family and friends of David Van Alstyne, III ’50, who was killed in an Air Force training accident in August 1952. This fund, in large part his own life insurance, has been given in memory of a young graduate who sensed the financial problems facing some of his less fortunate college contemporaries.

Stillman F. Westbrook Scholarship. Fund of $10,500 established in 1944. Bequest of Stillman F. Westbrook ’09 to assist needy students who are graduated from Ogdensburg Free Academy, Ogdensburg, New York. If the income is not all used in this way, it may be used as the Trustees direct. Mr. Westbrook requested that the students who receive this aid be encouraged to return the money to the college, and that when so returned it be used again for the same purpose, and not added to the principal of this fund.

Westinghouse Achievement Scholarship. Established in 1954 by the Westinghouse Educational Foundation. Awarded to a junior on the basis of “high achievement in his academic work and demonstrated qualities of leadership.”

Karl E. Weston Memorial Scholarship Fund. Established in 1958 by the Robert Sterling Clark Foundation in token of the high regard which Mr. Clark had for Dr. Weston. Awarded to students of promise in art or music at the discretion of the Committee on Student Aid with the approval of the President.

Scholarships Given by Williams Alumni Groups

Buffalo Alumni Scholarship. A scholarship donated by Buffalo alumni and awarded to a freshman resident of the Buffalo area who has been chosen
Scholarships and Financial Aid

by the Buffalo Alumni Association following approval by the Admissions and Scholarship Committees of Williams College.

Class of 1885 Special Scholarship Fund. Established by nine members of the class of 1885 to be used at the sole discretion of the President of Williams College in assisting students in meeting their college and living expenses.

Class of 1901 Scholarship in Memory of John Clarkson Jay. A fund established in 1940 by friends and classmates in memory of John Clarkson Jay '01, the income from which is used to assist worthy students.

Class of 1903 Scholarship. Fund of $51,000 established in 1928 to provide a scholarship for a son of a member of the class of 1903 who is duly qualified under existing college scholarship regulations. “In any year in which no such son of a member of the class of 1903 shall qualify therefore, the net income of said fund shall be awarded at the discretion of the Scholarship Committee.”

Class of 1910 Scholarship. Fund of approximately $16,000 established in 1940 for scholarships to cover tuition, preferably for sons of members of the class, who conform to the scholarship requirements.

Class of 1913 Scholarship. A fund of more than $26,000 established in 1938 to provide scholarship aid to worthy men, preferably sons of members of the class of 1913 who need assistance and who meet the usual scholarship requirements.

Class of 1914 Fund. A fund in excess of $30,000 established in 1939. A portion of the income of this fund is used to meet the current tuition charge of a qualified scholarship man, preferably a son or direct descendant of a member of the class; if there is no such candidate, another duly qualified student may be chosen. The use of the balance of the income of this fund is left to the discretion of President Baxter.

Class of 1915 Scholarship. Fund of $17,000 established in 1940, the income to be used in the best interests of the college, preferably in the form of scholarships for the sons of members of the class.

Class of 1944 Memorial Scholarship. Established in 1954 by members of the class of 1944 in memory of fourteen classmates killed in World War II, and of those classmates who have died since graduation. To assist worthy students at Williams College who qualify under existing college scholarship regulations, with preference given to sons or relatives of members of the class of 1944.

Cleveland-Northeastern Ohio Alumni Association Scholarship. A scholarship donated by Cleveland alumni and awarded to a freshman resident of Cleveland or the Northeast Ohio area who has been chosen by the Cleveland-Northeastern Ohio Alumni Association following approval by the Admissions and Scholarship Committees of Williams College.
Scholarships and Financial Aid

**Detroit Alumni Association Scholarship.** A scholarship donated by Detroit alumni and awarded to a freshman resident of the Detroit area who has been chosen by the Detroit Alumni Association following approval by the Admissions and Scholarship Committees of Williams College.

**Gargoyle Alumni Scholarship.** A tuition scholarship donated annually by the Gargoyle Society to a member of the society or to any worthy student if no member is in need of assistance.

**Hartford Alumni Association.** A scholarship donated by Hartford alumni and awarded to a freshman resident of the central or northern Connecticut area who has been chosen by the Hartford Alumni Association following approval by the Admissions and Scholarship Committees of Williams College.

**Twin Cities-Upper Midwest Alumni Association Scholarship.** A scholarship donated by alumni from the Minneapolis-St. Paul and Upper Midwest area and awarded to a freshman resident of that area who has been chosen by the Twin Cities-Upper Midwest Alumni Association following approval by the Admissions and Scholarship Committees of Williams College.

**Westchester Alumni Association Scholarship.** A scholarship donated by Westchester County alumni and awarded to one or more freshman residents of that county who have been chosen by the Westchester Alumni Association following approval by the Admissions and Scholarship Committees of Williams College.

**George F. Mead Fund**

In 1951 Williams College received a substantial gift from the Estate of George J. Mead. Mr. Mead expressed in his will an intention “that this gift shall be used to improve the quality of leadership and service in all branches of government, whether Federal, State or municipal, by encouraging young men of reliability, good sense and high purpose to enter with adequate preparation those fields of politics and constitutional government upon which must rest the future of this nation.”

A portion of this gift constitutes a Revolving Fund that directly assists promising students with inadequate means who are pursuing courses in political science, history, or economics. The remaining portion, or Special Fund, is intended “to stimulate all students at Williams College in the fields of Government, history and economics in their best possible efforts through suitable prizes, talks by authorities in their chosen field, and in such other ways as the committee may deem best calculated to accomplish that purpose.”

To date the Mead Special Fund has sponsored student trips to Washington, during which selected seniors conduct a careful examination of a certain
Scholarships and Financial Aid

aspect of government policy or operation. Also student surveys have been financed in Pittsfield where an attempt was made to analyze the political behavior of a segment of voters in Congressional and Presidential campaigns. In addition the Mead Fund Committee has utilized the Special Fund to finance campus visits by persons prominent in government, State or municipal work. These visits have taken the form of public lectures as well as seminar or conference meetings with students majoring in the fields of political science, history, or economics.

A summer intern program in Washington for juniors is the most recent undertaking of the Mead Fund.

Fellowships and Prizes for Graduate Study

The Faculty Committee on Prizes and Graduate Fellowships examines candidates from the senior class for the graduate awards listed below. Application must be made at the Office of Student Aid not later than February 15. Announcement of awards will be made early in March.

Horace F. Clark Prize Fellowships. Fund of $22,000 established in 1894 under the provisions of the will of Madame Marie Louise Souberbeille in memory of her father, Williams 1833. Two scholarships of not more than $500, which in exceptional cases may be combined in a single prize or may be continued to the same holder for more than one year, are awarded annually to a member or members of the senior class chosen on the basis of superior scholarship, general ability, and interest in scholarly research.

Francis Sessions Hutchins '00, Memorial Fellowship. Fund of $10,000 established in 1931 by friends of Mr. Francis Sessions Hutchins. To assist students in continuing and completing their college course and in obtaining a start in business or professions in the early years following their graduation, the selection to be made by the President. "To be exercised so far as possible in favor of men, situated as Hutchins himself was when in college...but giving promise...of becoming, as he did, a useful, worthy, and lovable citizen."

Hubbard Hutchinson Memorial Fellowship. Fund of $115,000 established in 1940 by Mrs. Eva W. Hutchinson in memory of her son, Williams '17. Awarded to a member of the graduating class sufficiently talented in creative work in music, writing, or painting. In the absence of a qualified candidate in these areas, an award can be made to a student of talent in philosophy or the sciences. The purpose of the award is to assist him in continuing the work in his special field of interest for a period of two years following his graduation.

Charles Bridgen Lansing Fellowship in Latin and Greek. Fund of $20,000
Scholarships and Financial Aid

established in 1929. Bequest of Mrs. Abby S. L. Selden in memory of her father, Charles Bridgen Lansing. Recipients to be selected by the President and the head of the classics department, either as a graduate or undergraduate scholarship.

**John Edmund Moody Fellowship.** Fund of $40,000 established in 1927 by Mr. John Moody in memory of his son, Williams '21. To enable a graduate of Williams College to pursue his studies at Oxford University for the two years following his graduation. The recipient is chosen from those who have majored in Greek, Latin, English, history, political science, philosophy, religion, or economics. The basis of award is general intellectual ability as shown in the major field of study, with special reference to character, need of assistance, and promise of original and creative work.

**Stephen H. Tyng and Stephen H. Tyng, Jr. Foundation Fellowships.** Holders of Tyng Scholarships in their undergraduate years are eligible to compete for Tyng Fellowships for one, two, or three years of graduate study in any field of learning at any recognized university.

**Carroll A. Wilson Fellowship Fund in Memory of John E. Wilson '44.** Fund of $20,000 established in 1949 by the will of Carroll A. Wilson '07 in memory of his son, who was killed in the World War II crossing of the Rhine, March 28, 1945. The income to be devoted to scholarships for attendance at the University of Oxford, Oxford, England, for members of the senior class chosen “after the manner of Rhodes Scholarships, with special attention to leadership, scholastic attainment, and physical vigor.”

**Prizes**

A complete list of prizes is given on pages 223-230.
THE CURRICULUM

Williams College offers a course of study leading to the degree of Bachelor of Arts. The curriculum requires that a student explore several fields of knowledge and concentrate in one. A wide range of choice among subjects for both exploration and concentration is provided. Within the field of concentration, the student has ample room to satisfy his individual interests.

Freshmen and sophomores are required to distribute their choice of courses among these general areas: (a) language, literature, and the arts; (b) social studies; and (c) science and mathematics. Within each of these areas they may choose from among several courses.

Juniors and seniors are required to concentrate part of their work in a major subject within which there is some freedom of election. Outside of the major field they are permitted complete freedom of choice. Students having well-formulated educational objectives are encouraged to select their major field provisionally at the beginning of sophomore year (page 37). Especially qualified students are encouraged to develop their own initiative and interests in a program leading to the honors degree.

OPPORTUNITIES FOR SUPERIOR STUDENTS

In order to encourage students of superior ability and attainment to undertake challenging individual academic programs, the college relaxes many of its ordinary requirements.

Freshman Year: The college subscribes to the purposes of the Advanced Placement Program. To freshmen who have performed satisfactorily in college-level secondary school courses and on the advanced placement examinations, credit is given toward both graduation and placement in advanced courses not ordinarily open to freshmen. Such students are thereby enabled to enrich their Williams education. Furthermore, they may with the consent of the Dean, be permitted to register for extra courses, and to accumulate credit from approved summer school courses, thereby attaining the B.A. degree in fewer than the normal four years.

Opportunities for enrichment exist also for students of high achievement.
The Curriculum

who have not participated in advanced placement work. Any freshman
with a superior record in a particular subject may be given prerequisite
credit and be permitted to enroll in an advanced course.

The courses open to specially qualified freshmen are listed on pages 46,
47, 48, together with the qualifications for each course.

Sophomore Year: Especially able sophomores may register during the second
term of sophomore year in honors courses ordinarily open only to juniors
and seniors.

Sophomores of high achievement may also be given permission to register
in upper class courses. This applies particularly to students who have
taken advanced courses as freshmen. Eligibility is judged on an individual
basis, and permission is obtained from the appropriate department at the
time of registration.

Junior and Senior Years: A central feature of the Williams curriculum is the
honors program (page 39) which provides an opportunity for students of supe­
rior initiative and ability to exercise originality and responsibility as scholars.

Another opportunity for advanced work available to students enrolled in
the honors program is known as independent study. When a particularly able
honors candidate wishes to pursue the study of a subject not covered by the
normal course offering of the college, arrangements may be made for him to
undertake a semester, or more, of independent study with a specially assigned
member of the faculty. Arrangements for independent study are made
with the appropriate department at the time of registration.

REQUIREMENTS FOR THE BACHELOR OF ARTS
DEGREE

Required Number of Courses

Twenty year courses, or the equivalent in semester courses, are required
for the degree. The senior major course counts as two one-year courses.

Residence Requirement

A minimum of two years of residence is required for the degree.

Foreign Language Requirement

All Williams students are required to fulfill a minimum language require­
ment in one of two ways: (1) by achieving a satisfactory score on the College
Entrance Examination Board Language Achievement Test, which may be

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The Curriculum

taken whenever the student chooses before entering college, or before the beginning of his junior year in college, or (2) by passing a 103-104 course in Greek, Latin, German, Russian, French, Italian, Spanish, or a 105-106 course in French or Spanish at Williams.

(Note for Incoming Freshmen)

If an incoming freshman does not plan to continue with foreign language study at Williams, he should take the College Entrance Examination Board Achievement Test in a foreign language. The results of this test should be sent to the Director of Admissions. The Dean of Freshmen will review the student's foreign language preparation and his test score, and on this basis decide (a) that the foreign language requirement has been fulfilled, or (b) if the score and language preparation are judged to be unsatisfactory, that the student shall plan to fulfill the requirement as suggested by the Dean of Freshmen. Notice of the evaluation of the test results is sent to incoming freshmen by the Dean of Freshmen during the spring.

Distribution Requirement

Two one-year courses, or their equivalent in semester courses, must be completed in each of the following three divisions by the end of the sophomore year.

**DIVISION I. Languages and the Arts**

Art  
Comparative Literature  
Drama  
English Composition  
English Literature  
French  
German  
Greek  
Italian  
Latin  
Music  
Public Speaking  
Russian  
Spanish

**DIVISION II. Social Studies**

Classical Civilization  
Economics  
History  
American History and Literature  
Philosophy  
Political Economy  
Political Science  
Psychology  
Religion

**DIVISION III. Science and Mathematics**

Astronomy  
Biology  
Chemistry  
Geology  
Mathematics  
Physics

Ordinarily a freshman elects one course from each of the three divisions. The specific courses regularly open to freshmen are listed on pages 43, 44, 45, 46, and the specific courses regularly open to sophomores are listed on pages 49, 50, 51, 52, 53, 54.
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The Major

Juniors are required to choose a major field of concentration. The selection is normally made at the time of registration in the spring of the sophomore year. But qualified students may request permission to register provisionally in a major at the end of their freshman year.

General Structure

The program of the major normally consists of:

(1) Three or four one-year courses* in the major subject, taken in a prescribed sequence and culminating in the double-credit senior course. These are known as sequence courses.

(2) One or two additional one-year courses. One or both of these courses may be specifically prescribed by the major department. Most departments permit some choice among alternatives, including, in appropriate cases, courses in subjects related to the major. Since these additional courses are taken along with the sequence courses they are called parallel courses.

The courses required by many departmental major programs require prerequisite courses in related departments. A description of the detailed structure of each major precedes the list of courses in each department under "Courses of Instruction".

Major Fields

Majors are offered in the following fields:

**American History and Literature
Art
Biology
Chemistry
Classics
Greek
Latin
Economics
English
Geology
German

History
Mathematics
Music
Philosophy
Physics
***Political Economy
Political Science
Psychology
Romanic Languages
French
Spanish

*Two one-semester courses are considered to be the equivalent of a one-year course.

**Offered jointly by the departments of history and English.

***Offered jointly by the departments of economics and political science.
Senior Major Course

A central feature of the major at Williams is the double-credit course taken in senior year. This course differs in two respects from other courses in the college. Since it is taken only by majors, the students share a common body of knowledge derived from their earlier sequence courses; and since it counts as two courses, it provides opportunity for coordinating earlier work and for writing papers which correlate various aspects of what they have learned.

Major Examination

The student's overall understanding of his major subject is tested by a comprehensive examination on the major, taken at the end of his senior year. The double-credit senior course, providing special opportunities for correlation and review, and the major examination thus work together to insure that the Williams graduate has not merely received passing grades in a number of separate courses, but has organized and assimilated what he has learned.

Provisional Registration in Departmental Major in Sophomore Year

Early concentration in a major field of interest is open to students having well-formulated educational objectives. Students may request permission at the end of their freshman year to register provisionally as majors with departments of their choice. This permission carries the privilege of registering for as much as four semesters of course work in the same department during sophomore year. Permission for provisional registration is obtained from the chairman of the appropriate department at the time of registration for sophomore year.

Corrective Composition

It should be noted that Williams does not require a year's course in English Composition, since most entering freshmen have received training in the fundamentals of mechanics (spelling, punctuation, grammar, and sentence structure) before coming to college. If any freshman shows that he needs further drill, he is assigned to Corrective Composition, a program of non-credit remedial work in which the student meets once a week with a member of the English department and concentrates on his special deficiencies. Most courses involve a good deal of formal writing, and close check is kept on the development of the student's powers of expression. Furthermore, any student who demonstrates the need for this instruction may be assigned to Corrective Composition at any time during his college career by any member of the faculty.
Physical Education

All freshmen and sophomores are required to participate in the Physical Education Program unless excused by the Dean or the College Physician. This program consists of three one-hour periods a week throughout the college year or, for those of superior athletic ability, participation in one of the several intercollegiate athletic teams in season. In these classes instruction is given in a variety of activities.

In the fall, students may elect touch football, Outing Club activities, tennis, or golf. During the winter season, freshmen are given instruction in squash, skiing, swimming, basketball, tumbling, gymnastics, and volleyball. Sophomores are not required to take part in all these activities but may choose one or more for the season. In the spring, students may elect softball, tennis, or golf.

Sophomores who are competing for the managership of a varsity team are not required to attend these classes.

THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY—WILLIAMS COMBINED PROGRAM OF LIBERAL ARTS AND ENGINEERING

In order to facilitate the combination of a liberal arts program with education in engineering, Massachusetts Institute of Technology and Williams College offer a combined ten-semester program leading to the Bachelor's degree from both institutions. The student, in consultation with the Deans of both institutions, may arrange to complete the requirements for a Williams B.A. and the requirements for a B.S. degree from Massachusetts Institute of Technology with a six-semester (three-year) course at Williams and a two-year course at the Institute. For students who, in preparation for engineering, are majoring in mathematics, physics, or chemistry at Williams and who enter an engineering field at Massachusetts Institute of Technology at the end of six semesters, the major requirements for the Williams degree are modified by waiving the senior course and the major examination. Only students who have taken the required courses and have an average of at least as high as B in scientific subjects and a good record in other subjects will be considered for recommendation by Williams College for the part of the program at the Massachusetts Institute of Technology. In addition, in order to secure a recommendation, the student must show evidence of high character and complete dependability in all matters.
A candidate on the Combined Plan may, at his option, remain at Williams College four years, secure the Williams degree and then enter the Institute on the Plan, provided he has met the requirements and has a recommendation from Williams. Two years at the Institute are still required for the B. S. in engineering. This option of the Plan is recommended since it allows the student to complete his liberal arts education before entering professional engineering training.

Candidates for admission to Williams who are considering the Combined Plan should present for entrance credit chemistry, physics, and four units of mathematics, including trigonometry. Inquiries should be addressed to the Director of Admissions at Williams College.

The Combined Plan is open to prospective architects on a basis of three years at Williams College and three years at Massachusetts Institute of Technology. As this program concentrates heavily on the engineering phases of architecture, an interested student should make certain that his course of study satisfies the requirements for architects.

HONORS PROGRAM

The junior and senior years offer the opportunity for students of superior initiative and ability to qualify for a degree with honors. Each department has adapted its honors program to its own intellectual discipline, allowing the student to participate in special honors courses, to write an honors thesis, or both. (See "Courses of Instruction" for descriptions of the honors programs of individual departments.) A candidate for the degree with honors is free to elect honors courses in other departments as well as in the department of his major.

By emphasizing self-education, the honors program provides superior students with unusual opportunities for exercising originality and developing resourcefulness. The honors courses, which are open only to candidates for the honors degree, are designed to encourage initiative and intellectual self-discipline by devoting certain class meetings to discussions of reports written, presented, and defended by the students.

The student who writes a thesis investigates his subject and formulates his thesis problem under the guidance of a member of the faculty, but accepts a high degree of responsibility in preparing the thesis, and in so doing discovers his own intellectual resources.

Candidates for the degree with honors may regulate their attendance, subject to appropriate limitation by their instructors or the Dean. In addition,
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with the consent of the major department, the honors student may substitute for any course independent study of a more mature and advanced character than that found in the regular course.

All departments reserve the right to withdraw any honors course in which the registration is deemed insufficient.

Eligibility for the Honors Program

To qualify for admission to the honors program students shall be required to attain an average grade of B (or higher) for the two semesters in the major immediately preceding admission to the honors program with neither semester’s grade below B minus. If applicants for admission (or late admission) have taken more than two semester courses in the major field, it is understood that they must attain an average grade of B (with neither grade below B minus) for two consecutive terms in the most advanced of the major courses taken prior to the start of their honors activities. Students must also attain a total of at least six grades of B minus in the two semesters preceding their admission to honors candidacy. The consent of the department concerned must be obtained in all cases. Enrollment in honors courses is arranged when the student registers with the department in which he is majoring.

Those whose grades do not conform to this standard may enroll only with the consent of the department and of the Committee on the Honors Degree. A student who for any reason does not register for the degree with honors at the end of his sophomore year, but who shows high promise in his junior year, may, with the consent of his department, enroll for this degree in the middle of his junior year or at the beginning of his senior year.

In some departments the honors degree program begins only in the second semester of the junior year or the first semester of the senior year. In such cases, the standards necessary to enroll for the degree with honors is the same as that described above.

If a student proves unable to maintain the necessary standard of work, he may, upon recommendation of his department or of the Dean, be deprived of his privilege by vote of the Committee on the Honors Degree, and be obliged to complete the requirements for the regular degree in the usual manner.

Preliminary Sophomore Honors

Any sophomore who has attained six semester grades of straight B or better at the end of his freshman year, including two in the prerequisite to any major, may apply for admission to an honors course as a second semester elective in his sophomore year. If at the end of the first semester of his
sophomore year, he has maintained grades of general honors level (i.e., three grades of B minus or better) including a straight B in any continuing course in the department in which he has already gained the B prerequisite, he is eligible to enter the honors course for which he has applied. This course need not be in the same department as that in which he gained the straight B grades, but it must be one for which he has had adequate preparation and the permission of the department chairman.

Examinations in the Honors Program

An examination, or its equivalent in the form of a term paper, is required at the end of each honors course and a grade in the course is recorded for each student.

Each honors candidate takes the regular major examination given by the department in which he is majoring.

Students who elect an honors program of honors courses only are required at the end of their senior year to write an honors examination (or impromptu essay) of at least three hours duration or take an equivalent honors oral examination of at least one hour in length. This written examination, essay, or oral examination will not necessarily “cover” the material studied in honors courses; it will rather offer the student an opportunity to demonstrate his honors’ ability in a culminating performance which will affect his final status as a candidate for the degree with honors.

A student who writes a thesis in his honors program is not required to write an honors examination or essay in addition to the major examination at the end of his senior year even though he has taken one or more honors courses.

Completion of the Honors Program Involving a Thesis

The honors thesis must be in the hands of the department in which the student is majoring in a form acceptable by the department for grading, not later than one week preceding the beginning of the final examination period.

An oral examination on the thesis not to exceed one hour may be given at the discretion of the department.

Requirements for the Degree with Honors or Highest Honors

An honors candidate shall be considered for the degree with honors if he attains a grade of at least B minus (7.0) in each of the following:

(a) An overall three year course average for his combined sophomore, junior, and senior years;

(b) each honors course (each H-course) taken;
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(c) each thesis course (H351-352, H451-452) taken;
(d) the required major courses, other than those submitted for entrance into the honors program;
(e) the major examination;
(f) the honors examination (if any);
(g) the thesis grade.

An honors candidate qualifies for the degree with highest honors in his field if he meets the seven requirements above and his major grade is A minus (10.0) or above. An honors candidate qualifies for the degree with honors if he meets the seven requirements above and his major grade is below A minus (10.0). The candidate who fails to meet any one of these seven requirements or for any other reason resigns from the honors program becomes a candidate for the regular degree and must satisfy all the usual requirements except that two semesters of honors or thesis courses may be substituted for two semesters of parallel courses. Transfer from honors degree candidacy to regular degree candidacy follows immediately after failure to meet any one of the seven requirements above.

REGISTRATION FOR THE FRESHMAN YEAR

A freshman registration form and a copy of the freshman registration bulletin are sent to each successful applicant for admission by the Dean of Freshmen after the applicant has notified the Director of Admissions of his intention to enter the college. The registration form is completed by the student in consultation with his school guidance officer and returned to the Dean of Freshmen. On arrival at the college the student will have an opportunity to check his registration with his faculty adviser.

Each freshman must elect five one-year courses from the courses listed among the freshman courses on pages 43, 44, 45, 46, and physical education. Courses regularly open to freshmen are designated by numbers in the 100 series.

The divisional requirement must be considered (page 35). Each freshman is required to elect at least one course from each of the three divisions.

The foreign language requirement must be considered (page 34). Each freshman who has not fulfilled the foreign language requirement on entrance should plan to fulfill the requirement as suggested by the Dean of Freshmen who will take into consideration the extent of the student’s foreign language preparation and his examination score on any College Entrance Examination Board Language Achievement Tests he has taken.
Qualifications for the major fields of concentration should be considered. Students must select a major subject by the junior year. To be eligible to major in a given subject a student must have studied at least one two-semester course in the subject. It is frequently better if he has studied two two-semester courses. Furthermore, the sequence of courses required by each major field require at least three years to complete. (Requirements of specific majors are given in the "Courses of Instruction"). Accordingly, a freshman should elect as many courses as possible which will serve as prerequisites in subjects in which he may possibly wish to major. Even if a student has definite educational plans, alternate majors should be provided for in case his college experience results in a change of plans.

Preparation for graduate and professional study should be considered. Students considering graduate study for careers in architecture, business administration, college or university teaching or research, dentistry, engineering, government service, law, medicine, secondary school teaching, theology, or other professions, should consult with the special faculty adviser in the field of his interest.

Freshmen enrolling in the Massachusetts Institute of Technology—Williams Combined Plan of liberal arts and engineering (page 38) should elect Chemistry 101-102, Physics 103-104, and Mathematics 101, 102.

Most graduate schools and many technical schools require a reading knowledge of either French or German, or both. Graduate study for the degree of Doctor of Philosophy generally requires a reading knowledge of both French and German. Graduate study in English literature often requires in addition a reading knowledge of Latin. Russian may sometimes replace French in graduate study in the physical sciences.

COURSES REGULARLY OPEN TO FRESHMEN

Note: Courses designated by an odd and an even number joined by a hyphen (e.g., English 101-102) are year courses, and the work of the two semesters constitutes an integral indivisible course. Both semesters of year courses must be completed in order to receive any credit in either semester.

*Courses marked with an asterisk do not serve as prerequisite to a departmental major.

†Courses marked with a dagger do not help fulfill the divisional requirement.

††Courses marked with a double dagger are foreign language courses which help to fulfill the divisional requirements only if the student has fulfilled the foreign language requirement in another language.
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DIVISION I. Languages and The Arts

English 101-102 Literary Analysis (page 93).

†French 101-102 Elementary French (page 174). Requires no previous study of French. For students who have studied less than two years of French in secondary school.

††French 103-104 Intermediate French (page 174). For students who have studied only two years of French in secondary school.

*††French 105-106 Advanced French (page 175). Open to students who have studied three years of French in secondary school.

French 107-108 General Introduction to French Literature (page 175). Open to students who have studied three or more years of French in secondary school.

†German 101-102 Elementary German (page 107). Requires no previous study of German. For students who have studied less than two years of German in secondary school.

††German 103-104 Intermediate German (page 107). For students who have studied only two years of German in secondary school.

German 107-108 Introduction to German Literature (page 108). Open to students who have studied three or more years of German in secondary school.

†Greek 101-102 Elementary Greek (page 78). Requires no previous study of Greek.

††Greek 103-104 Herodotus and Homer (page 79). For students who have studied three years of Greek in secondary school or two years by permission of the department.

Greek 105-106 Plato and Greek Drama (page 79). Open to students who have studied four years of Greek in secondary school or three years by permission of the department.

†Latin 101-102 Elementary Latin (page 80). Requires no previous study of Latin. For students who have studied less than two years of Latin in secondary school.

††Latin 103-104 Intermediate Latin (page 81). For students who have studied only two years of Latin in secondary school.

Latin 105-106 Roman Comedy and Latin Lyric Poetry (page 81). Open to students who have studied four years of Latin in secondary school or three years by permission of the department.

*†Russian 101-102 Elementary Russian (page 110). Requires no previous study of Russian.
†Spanish 101-102 Elementary Spanish (page 180). Requires no previous study of Spanish. For students who have studied less than two years of Spanish in secondary school.

††Spanish 103-104 Intermediate Spanish (page 180). For students who have studied only two years of Spanish in secondary school.

*††Spanish 105-106 Advanced Spanish (page 180). Open to students who have studied three years of Spanish in secondary school.

Spanish 107-108 Introduction to Spanish Civilization (page 181). Open to students who have studied three or more years of Spanish in secondary school.

DIVISION II. Social Studies

*Classical Civilization 101-102 (page 78).

Economics 101-102 General Economics (page 85).

History 101-102 European Ideas and Institutions Since the Middle Ages (page 114).

History 103-104 European Ideas and Institutions Since the Middle Ages: Advanced Conference Groups (page 114). History 103 is open to students who have studied European history in secondary school and to those who have had good academic records. History 104 is open to students who have done work of superior quality in History 101 or 103.

Political Science 101-102 American and European Politics (page 157).

Political Science 104 Comparative Politics (page 158). An honors section for students who have demonstrated exceptional capabilities in Political Science 101.

DIVISION III. Science and Mathematics


Chemistry 101-102 General Chemistry (page 72). For students with principal interests in science; requires no previous study of chemistry. This course, rather than Chemistry 103-104, must be taken by students intending to take Chemistry 201,202 in engineering, premedical, and science programs.

Chemistry 103-104 An Introduction to Chemistry (page 72). For students with principal interests in fields outside science; requires no previous study of chemistry.

Geology 101-102 General Geology (page 102). Requires no previous study of geology.

Mathematics 101 Introduction to the Calculus (page 131). Must be followed by either Mathematics 102 or Mathematics 104 for credit in Division III.
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Mathematics 102 ELEMENTARY CALCULUS (page 131). Should be elected by those who are likely to major in mathematics or physics. Prerequisite, Mathematics 101.

*Mathematics 104 INTRODUCTION TO STATISTICAL INFERENCE (page 131). Designed for students with interests in the biological or social sciences. Prerequisite, Mathematics 101.

Physics 101-102 ELEMENTS OF PHYSICS (page 145). Requires no previous study of physics.

Physics 103-104 GENERAL PHYSICS (page 145). For students intending to major in engineering or in the physical sciences. One year of physics in secondary school required. Mathematics 101,102 must be taken concurrently if students have not studied calculus previously.

COURSES OPEN TO FRESHMEN WITH SPECIAL INTERESTS IN CERTAIN MAJORS

Freshmen who are considering majoring in the departments represented by the courses listed below may request permission from the Dean of Freshmen at the time of registration to elect one of the following courses.

DIVISION I. Languages and the Arts

Art 201-202 INTRODUCTION TO THE HISTORY OF ART (page 59).

Music 201-202 FUNDAMENTALS OF MUSIC (page 134).

DIVISION II. Social Sciences

Philosophy 201-202 INTRODUCTION TO PHILOSOPHY (page 139).

Psychology 201-202 GENERAL PSYCHOLOGY (page 166).

COURSES OPEN TO SPECIALLY QUALIFIED FRESHMEN

Incoming freshmen who have participated in the Advanced Placement Program of the College Entrance Examination Board (page 33), and other incoming freshmen of high achievement in secondary school, may be eligible to elect one or more of the courses listed below; or more advanced courses with the approval of the appropriate department.
DIVISION I. Languages and the Arts

**English 101,204** **Literary Analysis and English Narrative Literature through the Eighteenth Century** (pages 93,94). Open to freshmen with advanced placement credit in English, and to those of high achievement in college level courses in English literature in secondary school.

**French 201-202** **French Literature of the Nineteenth Century** (page 175). Open to freshmen with advanced placement credit in French, and to those of high achievement who offer four years of secondary school French.

**German 201** **German Romanticism** (page 108). Open to freshmen with advanced placement credit in German literature, and to those of high achievement who offer four years of secondary school German.

**German 202** **German Realism** (page 108). Open to freshmen with advanced placement credit in German literature, and to those of high achievement who offer four years of secondary school German.

**Italian 101-102** **Elementary Italian** (page 178). Requires no previous study of Italian, but open only to those freshmen who show evidence of satisfactory work in some other foreign language.

**Spanish 201-202** **The Spanish Novel and Theatre of the Nineteenth and Twentieth Centuries** (page 181). Open to freshmen with advanced placement credit in Spanish, and to those of high achievement who offer four years of secondary school Spanish.

DIVISION II. Social Studies

**History 201-202** (203-204) **The Development of American Democracy and Studies in American History, 1763-1960** (page 115). Open to freshmen with advanced placement credit in European history, and those of high achievement in history.

**History 301-302** **Studies in European History** (page 115). Open to freshmen with advanced placement credit in European history.

DIVISION III. Science and Mathematics

*astronomy 201-202** **General Astronomy** (page 64). Open only to those freshmen who do not intend to major in one of the sciences.

**Biology 201** **Vertebrate Zoology** (page 66). Open to freshmen with advanced placement credit in biology, and to those who have demonstrated exceptional capabilities in a recent course in secondary school biology.

**Biology 202** **Organic Evolution** (page 67). Open to freshmen with advanced placement credit in biology, and to those who have demonstrated exceptional capabilities in a recent course in secondary school biology.
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Chemistry 201 Elementary Quantitative Analysis (page 72). Open to freshmen with advanced placement credit in chemistry, and to those who have demonstrated exceptional capabilities in a college level chemistry course in secondary school.

Chemistry 202 The Structure of Matter (page 73). Open to freshmen with advanced placement credit in chemistry, and to those who have demonstrated exceptional capabilities in a college level chemistry course in secondary school.

Mathematics 201 Calculus (page 132). Open to freshmen with advanced placement credit in mathematics, and to those of unusually high achievement in a college level calculus course in secondary school.

Mathematics 202 Linear Algebra (page 132). Open to freshmen with advanced placement credit in mathematics, and to those of unusually high achievement in a college level calculus course in secondary school.

Physics 201-202 Electricity and Magnetism (page 146). Open to freshmen with advanced placement credit in physics and mathematics. Those students with advanced placement credit in physics only should take mathematics 101,102 in freshman year and this course in the sophomore year, omitting physics from their course elections in the freshman year.

REGISTRATION FOR THE SOPHOMORE YEAR

(1) Registration for the sophomore year takes place in the spring of the freshman year, in consultation with the student's faculty adviser and the various advisers in special fields.

(2) Sophomores must elect five one-year courses from among the courses listed under freshman courses and sophomore courses, and physical education. When appropriate, two one-semester courses may replace a one-year course. Courses regularly open to sophomores are designated by numbers in the 100 and 200 series.

(3) Sophomores may register provisionally in a departmental major (page 37). Sophomores having well-formulated educational objectives are encouraged to select their major field provisionally. Permission must be obtained from the chairman of the appropriate department during the registration period. Those sophomores who have been granted permission to concentrate in a major field may elect as many as four semesters of course work in a given department.

(4) The divisional requirement (page 35) must be considered. Sophomores are required to take at least one additional course in each of the three divisions in which they have not already taken two.
(5) The foreign language requirement for graduation must be satisfied before the beginning of the junior year. Consult the statement regarding Foreign Language Requirement on page 34.

(6) The requirements of the departmental majors must be considered. Sophomores should elect as many courses which lead to majors as possible. Students should consult “Courses of Instruction” for the requirements of the majors in which they are interested. Particular attention should be paid to the prerequisites for the major, and the required prerequisites in departments other than the major department. Departmental chairmen should be consulted by students in making their plans.

(7) Possible registration in honors courses. Especially able sophomores may register during the second term of the sophomore year in honors courses ordinarily open only to juniors and seniors. The standards for eligibility and the registration procedure are described on page 40.

(8) The requirements of graduate and professional schools should be considered. Students considering graduate study for careers in architecture, business administration, college or university teaching or research, dentistry, engineering, government service, law, medicine, secondary school teaching, theology, or other professions, should consult with the appropriate departmental chairman and special faculty adviser in the field of his interest. All sophomores who are M.I.T.-Williams Combined Plan candidates must consult with the faculty adviser for the Combined Plan before they register.

Attention is called to the foreign language requirements of graduate study described under freshman registration (page 43).

COURSES REGULARLY OPEN TO SOPHOMORES

Note: Courses designated by an odd and an even number joined by a hyphen (e.g., Music 201-202) are year courses, and the work of the two semesters constitutes an integral indivisible course. Both semesters of year courses must be completed in order to receive any credit.

*Courses marked with an asterisk do not serve as prerequisite to majoring in a subject.
†Courses marked with a dagger do not help to fulfill the divisional requirements.
‡‡Courses marked with a double dagger are foreign language courses which help to fulfill the divisional requirements only if the student has fulfilled the foreign language requirement in another language.
DIVISION I. Languages and the Arts

Art 201-202 Introduction to the History of Art (page 59).

*Drama 201 Introduction to the Art of Theatre (page 83). Prerequisite, English 101-102.

*Drama 202 Form and Techniques in the Living Theatre (page 83). Prerequisite, Drama 201.

English 101-102 Literary Analysis (page 93).

English 201-202 English Literature of the Sixteenth and Seventeenth Centuries (page 93). Prerequisite, English 101-102.


English 204 English Narrative Literature of the Nineteenth and Twentieth Centuries (page 94). Prerequisite, English 101-102.

*†English Composition 201-202 Creative Writing (page 99). Prerequisite, English 101-102.

†French 101-102 Elementary French (page 174). Requires no previous study of French. For students who have studied less than two years of French in secondary school.

††French 103-104 Intermediate French (page 174). Prerequisite, French 101-102 or two years of French in secondary school.

*††French 105-106 Advanced French (page 175). Prerequisite, French 103-104 or three years of French in secondary school.

French 107-108 General Introduction to French Literature (page 175). Prerequisite, French 103-104 or three or more years of French in secondary school.

French 201-202 French Literature of the Nineteenth Century (page 175). Prerequisite, French 107-108 or permission of the department.

†German 101-102 Elementary German (page 107). Requires no previous study of German. For students who have studied less than two years of German in secondary school.

††German 103-104 Intermediate German (page 107). Prerequisite, German 101-102 or two years of German in secondary school.

German 107-108 Introduction to German Literature (page 108). Prerequisite, German 103-104 or three or more years of German in secondary school.

German 201 German Romanticism (page 108). Prerequisite, German 107-108.
German 202  **German Realism** (page 108). Prerequisite, German 107-108.

†Greek 101-102  **Elementary Greek** (page 78). Requires no previous study of Greek.

††Greek 103-104  **Herodotus and Homer** (page 79). Prerequisite, Greek 101-102 or three years of Greek in secondary school or two years by permission of the department.

**Greek 105-106  Plato and Greek Drama** (page 79). Prerequisite, Greek 103-104 or four years of Greek in secondary school or three years by permission of the department.

†Italian 101-102  **Elementary Italian** (page 178). Requires no previous study of Italian.

**Italian 103-104  Intermediate Italian** (page 178). Prerequisite, Italian 101-102.

†Latin 101-102  **Elementary Latin** (page 80). Requires no previous study of Latin. For students who have studied less than two years of Latin in secondary school.

††Latin 103-104  **Intermediate Latin** (page 81). For students who have studied only two years of Latin in secondary school.

**Latin 105-106  Roman Comedy and Latin Lyric Poetry** (page 81). Open to students who have studied four years of Latin in secondary school or three years by permission of the department.

**Latin 201-202  Literature of the Golden Age** (page 81). Prerequisite, Latin 105-106.


*†Russian 101-102  **Elementary Russian** (page 110). Requires no previous study of Russian.

*Russian 103-104  **Intermediate Russian** (page 111). Prerequisite, Russian 101-102.

†Spanish 101-102  **Elementary Spanish** (page 180). Requires no previous study of Spanish. For students who have studied less than two years of Spanish in secondary school.

††Spanish 103-104  **Intermediate Spanish** (page 180). Prerequisite, Spanish 101-102 or two years of Spanish in secondary school.

*††Spanish 105-106  **Advanced Spanish** (page 180). Prerequisite, Spanish 103-104 or three years of Spanish in secondary school.

**Spanish 107-108  Introduction to Spanish Civilization** (page 181). Prerequisite, Spanish 103-104 or three or more years of Spanish in secondary school.
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Spanish 201-202 The Spanish Novel and Theatre of the Nineteenth and Twentieth Centuries (page 181). Prerequisite, Spanish 107-108 or permission of the department.

DIVISION II. Social Studies

*Classical Civilization 101-102 (page 78).
Economics 101-102 General Economics (page 85).
Economics 201 The Modern Corporation (page 85). Prerequisite, Economics 101-102.
History 101-102 European Ideas and Institutions Since the Middle Ages (page 114).
History 103-104 European Ideas and Institutions Since the Middle Ages: Advanced Conference Groups (page 114). History 103 is open to students who have studied European history in secondary school and to those who have good academic records. History 104 is open to students who have done work of superior quality in History 101 or 103.
History 201-202 The Development of American Democracy, 1763-1960 (page 115). Prerequisite, History 101-102 or 103-104.
Philosophy 201-202 Introduction to Philosophy (page 139).
Political Science 101-102 American and European Politics (page 157).
Political Science 104 Comparative Politics (page 158). An honors section for students who have demonstrated exceptional capabilities in Political Science 101.
Political Science 201-202 International Relations and World Politics (page 158). Prerequisite, Political Science 101-102 (104).
Psychology 201-202 General Psychology (page 166).
Psychology 301 Psychology of Personality (page 166). Prerequisite, Psychology 201-202.
Psychology 302 Psychology of Abnormal Behavior (page 167). Prerequisite, Psychology 301 or Psychology 201-202 and the permission of the instructor.
DIVISION III. Science and Mathematics

*Astronomy 201-202* General Astronomy (page 64).


*Biology 201* Vertebrate Zoology (page 66). Prerequisite, Biology 101-102 or, with the consent of the department, admission credit in biology.

*Biology 202* Organic Evolution (page 67). Prerequisite, Biology 101-102 or, with the consent of the department, admission credit in biology.


*Biology 204* Vascular Plants (page 67). Prerequisite, Biology 101-102.

*Chemistry 101-102* General Chemistry (page 72). For students with principal interests in science; requires no previous study of chemistry. This course, rather than 103-104, must be taken by students intending to take Chemistry 201,202 in engineering, premedical, and science programs.

*Chemistry 103-104* An Introduction to Chemistry (page 72). For students with principal interests in fields outside science; requires no previous study of chemistry.

*Chemistry 201* Elementary Quantitative Analysis (page 72). Prerequisite, Chemistry 101-102.

*Chemistry 202* The Structure of Matter (page 73). Prerequisite, Chemistry 101-102 or 103-104.


*Mathematics 101* Introduction to the Calculus (page 131). Must be followed by either Mathematics 102 or Mathematics 104 for divisional credit.

*Mathematics 102* Elementary Calculus (page 131). Should be elected by those who are likely to major in mathematics or physics. Prerequisite, Mathematics 101.

*Mathematics 104* Introduction to Statistical Inference (page 131). Designed for students with interests in the biological or social sciences. Prerequisite, Mathematics 101.


*Mathematics 202* Linear Algebra (page 132). Prerequisite, Mathematics 201 or 104.

*Physics 101-102* Elements of Physics (page 145). Requires no previous study of physics.
The Curriculum

Physics 103-104 General Physics (page 145). For students intending to major in engineering or in the physical sciences. One year of physics in secondary school required. Mathematics 101,102 must be taken concurrently if students have not studied calculus previously.

Physics 201-202 Electricity and Magnetism (page 146). Prerequisites, Physics 101-102 or 103-104 and Mathematics 101,102. Students electing this course must have taken or be taking Mathematics 201,202.

COURSES OPEN TO SPECIALLY QUALIFIED SOPHOMORES

(1) Qualified sophomores may elect honors courses (page 40).

(2) Sophomores who have taken sophomore courses as freshmen may register in junior courses for which they have the necessary prerequisites. Permission may be obtained from the appropriate departmental chairmen.

REGISTRATION FOR THE JUNIOR YEAR

(1) Selection of courses for the junior year is under the direct supervision of the chairman of the department in which the student chooses to major, and students register in the spring of their sophomore year with the chairman or other registration officer of the appropriate department.

(2) Juniors register for five one-year courses, or the equivalent in semester courses. Courses open to juniors are designated with numbers in the 100, 200, and 300 series.

(3) Juniors must decide on a major field of study. Possible majors are listed on page 36, and the specific requirements for each major are given under “Courses of Instruction”.

(4) Registration for the Honors Program. Students should consult pages 39-42 for the requirements and details of the honors program. Entrance into the honors program is arranged when the student registers with the department of his major.

(5) Requirements for graduate and professional study should be considered. Students considering graduate study for careers in architecture, business administration, college or university teaching or research, dentistry, engineering, government service, law, medicine, secondary school teaching, theology, or
other professions, should consult with the appropriate departmental chairman and special faculty adviser in the field of his interest.

Attention is called to the foreign language requirements of graduate study described under freshman registration (page 43).

REGISTRATION FOR THE SENIOR YEAR

(1) Selection of courses for the senior year is under the direct supervision of the chairman of the department in which the student is majoring, and students register in the spring of their junior year with the chairman or other registration officer of the appropriate department.

(2) Seniors must elect the required senior course in their major (which is given double-credit) and three other courses.

(3) Requirements for graduate and professional study should be considered. Students considering graduate study for careers in architecture, business administration, college or university teaching or research, dentistry, engineering, government service, law, medicine, secondary school teaching, theology, or other professions, should consult with the appropriate departmental chairman and special faculty adviser in the field of his interest.
Departmental staffs as listed are for the academic year, 1959-60, unless otherwise indicated.

Course Numbering System

Courses in the 100 series are open regularly to qualified members of all classes.

Courses in the 200 series are open regularly only to qualified sophomores, juniors, and seniors.

Courses in the 300 series are open regularly only to qualified juniors and seniors.

Courses in the 400 series are open regularly only to qualified seniors and graduate students.

Courses in the 500 series are open regularly only to graduate students.

Within a given series, numbers do not indicate the relative level of courses.

H before a number indicates a course in the honors program. Courses in the honors program also have numbers with the second digit 5.

Courses designated by a single number are semester courses.

Odd numbers designate courses offered during the first semester. Even numbers designate courses offered during the second semester.

Year courses are designated by an odd number and an even number joined by a hyphen; the work of the two semesters constitutes an integral, indivisible course.

Order of Course Election

The order in which courses may be elected is determined by the prerequisites stated under the course description. The classes to which courses are regularly open are indicated by the course number. Exceptions to the order indicated may be made for students of high scholastic ability on petition to the Committee on Academic Standing.
 Sequence Courses

This term, found in the description of major programs, refers to the courses taken in a sequence prescribed by the major and culminating in the double-credit senior course. Three or four one-year sequence courses are prescribed by each major program.

Parallel Courses

This term, found in the description of major programs, refers to the courses prescribed by the major program in addition to the sequence courses. Two one-year parallel courses are prescribed by each major program. A choice among possible alternatives is offered in many major programs.

Any course in which registration is deemed insufficient may be withdrawn at the beginning of either semester without previous notice.

Courses enclosed in brackets will not be offered in 1960-61.

Scheduling of Class Hours

All courses, except where otherwise indicated, are given three hours each week. The class hours are identified as follows:

Class Hours

<table>
<thead>
<tr>
<th>Class</th>
<th>Time</th>
<th>Days</th>
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</thead>
<tbody>
<tr>
<td>A</td>
<td>8:00 a.m.</td>
<td>Monday, Wednesday, and Friday</td>
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<tr>
<td>B</td>
<td>9:00 a.m.</td>
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<tr>
<td>C</td>
<td>10:00 a.m.</td>
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<tr>
<td>D</td>
<td>11:00 a.m.</td>
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<tr>
<td>E</td>
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<tr>
<td>F</td>
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<tr>
<td>G</td>
<td>3:00 p.m.</td>
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<tr>
<td>H</td>
<td>4:00 p.m.</td>
<td>&quot;</td>
</tr>
<tr>
<td>I</td>
<td>5:00 p.m.</td>
<td>&quot;</td>
</tr>
<tr>
<td>J</td>
<td>8:00 a.m.</td>
<td>Tuesday, Thursday, and Saturday</td>
</tr>
<tr>
<td>K</td>
<td>9:00 a.m.</td>
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<td>L</td>
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<td>M</td>
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<tr>
<td>P</td>
<td>3:00 p.m.</td>
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<tr>
<td>Q</td>
<td>4:00 p.m.</td>
<td>&quot;</td>
</tr>
<tr>
<td>R</td>
<td>5:00 p.m.</td>
<td>&quot;</td>
</tr>
</tbody>
</table>

- 57 -
ART (Div. I)

Chairman, Professor S. L. Faison, Jr.

Professor Faison, Professor Stoddard, Professor Pierson, Assistant Professor Licht, Assistant Professor Hirsche.

MAJOR PROGRAM

Sequence courses
Art 201-202 Introduction to the History of Art
Art 305-306 Basic Design
Art 401-402 Renaissance and Baroque Art

Parallel courses
Any four semester courses in art (except Art 403-404 and Art 405, 406)

The major begins in Art 201-202 with a series of critical exercises of original works of architecture, sculpture, and painting. The student is trained to observe with care and to respond to the artist’s use of visual forms. The historical courses, including most of Art 201-202, present the major artistic achievements of Western Civilization from ancient times to the present. Far Eastern art is studied for comparative purposes. Architecture, sculpture, painting, and related arts are studied, sometimes concurrently to explore their connections with one another in a given social context, sometimes individually to provide an intensive training in the special problems of each art.

The critical approach of the first course is maintained throughout. For this purpose full use is made of the resources of the Lawrence Art Museum and the Clark Art Institute. The student’s understanding is further developed at the junior level by a required course in basic design (Art 305-306), though no creative ability is assumed as a prerequisite. In senior year studio exercises in graphic processes give further insight into the language of the visual arts.

Students with demonstrated talent may take courses in architectural design (Art 403-404) or in design in other media (Art 405, 406).

THE DEGREE WITH HONORS IN ART

Art majors who are accepted as candidates for the degree with honors take one of the following programs:

(1) Two-Year Program of Honors Courses
Art 305-306 Basic Design
Art 401-402 Renaissance and Baroque Art
Four honors courses, one of which may be selected from those offered by any other department

(2) Two-Year Program of Honors Courses and Thesis
Art 305-306 Basic Design
Art 401-402 Renaissance and Baroque Art
Any two honors courses or parallel courses in art and
Art H451-452 Senior Honors Thesis

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A student who enters the honors program with thesis will ordinarily be advised to begin his background study in the second half of his junior year (as Art H352—Junior Honors Course) or to take one other honors course in art during his junior year. Prospective architects of honors standing may submit a thesis in the form of an architectural design. Similarly qualified students in painting, graphic arts, or other media may likewise offer a creative project in lieu of a written thesis.

201-202 Introduction to the History of Art

Basic problems in the understanding and criticism of architecture, sculpture, and painting. A study of a limited number of works of these arts in the principal historical periods, including the present. Their relationship to each other and to the social and historical background. Ancient and Medieval periods emphasized in the first semester; Renaissance and Modern in the second.

Lectures, assigned reading, and a weekly conference hour. *Fee, $4 a term.*

Sophomore course. Open to freshmen only by special permission.

**Hours** D, K

**Exam** R

STODDARD, PIERSON, ASSISTED BY OTHER MEMBERS OF THE DEPARTMENT

Students who have audited Art 201-202 on a registered basis may elect any course in Art in the 300 group.

303 Painting and Sculpture 1785-1900

Great masters of nineteenth century European painting and sculpture from Goya, David, Constable, Delacroix, and Daumier through the Impressionists and Cézanne. Parallel developments in American Art. The course is arranged to take advantage of the resources of the Clark Art Institute.

Lectures, assigned reading, and a weekly conference hour or field trip. *Fee, $4.*

Junior course. Prerequisite, Art 201-202.

**Hour** M

**Exam** T

LICHT

304 Modern Painting and Sculpture

European and American painting and sculpture since 1885. Cézanne and Van Gogh as founders of modern art. The chief modern movements and their leaders. Special emphasis on recent work in the United States. Relationship to developments in the art of the film.

Lectures, assigned reading, and a weekly conference hour or field trip. *Fee, $4.*

Junior course. Prerequisite, Art 201-202.

**Hour** M

**Exam** T

LICHT
305-306 Basic Design

The purpose of this course is to explore some of the basic problems of two-dimensional and three-dimensional design and of free-hand drawing in relation to painting, sculpture, and architecture.

Studio exercises and critical discussions of work done in the course. No previous technical training assumed or required. Fee, $4 a term.

Junior course. Prerequisite, Art 201-202 and permission of the department.

Hour C
Exam L

307 American Art

Selected examples of architecture, sculpture, and painting in the United States from the Colonial Period to the present, studied in relation to developments in Europe. The impact of social and technological change.

Lectures, assigned reading, and a weekly conference or field trip. Fee, $4.


Hour B
Exam I

308 Modern Architecture

European and American architecture of the twentieth century and its origins. Growth of a new architecture for social and industrial needs. The special contribution of such architects as Sullivan, Wright, Gropius, Breuer, LeCorbusier, and Aalto.

Lectures, assigned reading, and a weekly conference hour or field trip. Fee, $4.

Junior course. Prerequisite, Art 201-202 or Art 307.

Hour B
Exam I

309 Ancient Art (Not offered 1960-61; to be offered 1961-62.)

Studies in selected major works of Egyptian, Minoan, Mycenaean, Greek and Roman art. Problems of field archaeology.

Lectures, assigned reading, and a weekly conference hour or field trip. Fee, $4.

Junior course. Prerequisite, Art 201-202.

Hour D
Exam E

310 Medieval Art (Offered 1960-61; not to be offered 1961-62.)

Romanesque architecture and its origins in Early Christian, Byzantine and Carolingian. Experiment and invention in Early Gothic architecture. The great cathedrals and their relation to medieval life. Gothic architecture in France, England, Ger-
many, Italy, and Spain. Sculpture, painting, and other arts in relation to medieval architecture.

Lectures, assigned reading, and a weekly conference hour or field trip. *Fee, $4.*

*Junior course.* Prerequisite, Art 201-202 or Art 201 provided Art 202 is taken concurrently.

*Hour*  D  
*Exam*  E

311 Renaissance Art

Painting, sculpture, and architecture in the Italian Renaissance and their origins in the social and intellectual climate. Emphasis on such masters as Brunelleschi, Alberti, Donatello, Masaccio, Botticelli, Leonardo, Bramante, Raphael, Michelangelo, Bellini, Giorgione, Titian, and Tintoretto. Mannerism and the spread of Italian forms in sixteenth century Europe.

Lectures, assigned reading, and a weekly conference. *Fee, $4.*

*Junior or senior course.* Prerequisite, Art 201-202.

*Hour*  1-2:30 Mon., Wed.  
*Exam*  O

312 Baroque Art


Lectures, assigned reading, and field trips. *Fee, $4.*

*Junior or senior course.* Prerequisite, Art 201-202.

*Hour*  1-2:30 Mon., Wed.  
*Exam*  O

[313 Art in the Eighteenth Century (Not offered 1960-61.)

Architecture in Rococo France, Baroque Germany and Spain, and Georgian England and America. Influence of the early Industrial Revolution on traditional styles of building. Classicism and Romanticism in the Age of Reason. Detailed study of major painters, sculptors and graphic artists, both as individuals and as participants in a national heritage.

Lectures, assigned reading, and a weekly conference or field trip. *Fee, $4.*

*Junior course.* Prerequisite, Art 201-202.

*Hour*  B  
*Exam*  I
Art

401-402 Renaissance and Baroque Art

Identical to Art 311 and Art 312, except that there will be in addition a series of studio exercises in the graphic processes and a second series of studies of major graphic artists, especially of the Renaissance and Baroque period. These studies will make use of the drawing and print collections of the Clark Art Institute.

Lectures, assigned reading, and a weekly conference hour or field trip. Fee, $4 a term.

Senior course. Required course in the major. Prerequisite, Art 305-306.

Hour 1-2:30 Mon., Wed., 1:30-4 Th.
Exam O

403-404 Architectural Design

Senior course. Prerequisites, Art 305-306 with an honors grade, Art 308 (but Art 308 may be taken concurrently), and permission of the instructor. Enrollment limited. Fee, $25 a term.

Hour NOP Tu.
Exam Arr.

Hirsche, and visiting architect

405 Advanced Design

Continuation of design problems, primarily on an individual basis, at a more advanced level than Art 305-306.

Senior course. Prerequisites, Art 305-306 with an honors grade, Art 304 (but Art 304 may be taken concurrently), and permission of the instructor.

Hour Arr.
Exam Arr.

Hirsche

406 Advanced Design

Continuation of design problems, primarily on an individual basis, at a more advanced level than Art 305-306.

Senior course. Prerequisites, Art 305-306 with an honors grade, Art 304 (but Art 304 may be taken concurrently), and permission of the instructor. (Intended for seniors with demonstrated creative ability.)

Hour Arr.
Exam Arr.

Hirsche
HONORS COURSES

H352  Junior Honors Course

H353  Problems in Criticism

An experiment in the criticism of unidentified and identified works of art. Inquiry into the relevance of historical knowledge to criticism.

Honors course for juniors and seniors. Prerequisite, Art 201-202.

Hour  Arr.
Exam Arr.

H354  Problems in American Art

Honors course for juniors and seniors. Prerequisite, Art 201-202.

Hour  Arr.
Exam Arr.

H356  Problems in Spanish Art (Not offered 1960-61.)

Honors course for juniors and seniors. Prerequisite, Art 201-202.

Hour  Arr.
Exam Arr.

[Pierson]

H358  Methods of Research in Art History

Intensive study of original works of painting and sculpture in the Clark Art Institute and the Lawrence Art Museum.

Honors course for juniors and seniors. Prerequisite, Art 201-202.

Hour  Arr.
Exam Arr.

H451-452  Senior Honors Thesis
201-202 General Astronomy

An introduction to the modern concepts of the physical nature of the astronomical universe. Topics considered include instruments, stars, the sun, nebulae, star clusters, galaxies, and the various objects which make up the solar system.

Lectures, three hours a week; one two-hour laboratory a week. Fee, $5 a term.

Sophomore course. Open to freshmen who do not expect to major in one of the sciences. Registration is limited to 40.

Hour J
Exam D

301-302 Astronomical Observation (Not offered 1960-61.)

Basic methods used in obtaining astronomical data in the various fields of investigation. Fundamental photographic principles. Photographic observations of planets, stars, and nebulae for position, parallax, proper motion, magnitude, color, spectral class, radial velocity, etc.

Lectures and discussion, two hours a week; laboratory and evening observing, six hours a week. Fee, $5 a term.

Junior course. Prerequisites, Astronomy 201-202 and Mathematics 101,102.

Hour Arr.
Exam Arr.

303 Meteorology

The physical basis of modern meteorology; methods of observing and forecasting the weather; application of meteorology to aviation.

Junior course. Prerequisite, admission credit in physics, or college physics, or the consent of the instructor. (Open to sophomores with permission of the instructor.) Registration is limited to 40.

Hour L
Exam O

304 Marine and Air Navigation

An introductory course dealing with the modern methods used in the navigation of surface vessels and aircraft. Topics studied include maps and charts, instruments, piloting, dead reckoning, current and wind, relative movement, celestial navigation. Fee, $5.

Junior course. (Open to sophomores with permission of the instructor.) Registration is limited to 40.

Hour L
Exam O
BIOLOGY (Div. III)

Chairman, Professor S. A. Matthews*
Acting Chairman, Professor A. J. Waterman**

Professor Matthews*, Professor Waterman**, Professor Copeland,
Associate Professor Rieser, Assistant Professor W. C. Grant, Assistant
Professor Blight, Dr. Whitehead***, Mr. Lehrbach, Mr. Moore.

MAJOR PROGRAM

Sequence courses
- Biology 101-102 Basic Concepts of Modern Biology
- Biology 301 Principles of Genetics
- Biology 302 Vertebrate Embryology
- Biology 401-402 Principles of Physiology

Parallel courses
- Any four semester courses in biology, or
- two semester courses in biology and Chemistry 301-302.
Under some circumstances the department may allow the substitution of two of
the following courses for two parallel courses: Chemistry 201,202; Geology 101-
102, 305.

The following courses in biology are open to specially qualified freshmen who: a) enter with advanced placement credit in biology, b) have had a recent comparable
course of secondary school biology and obtain the approval of the department:
Biology 201,202.

Sophomores who register as provisional majors in the department may elect
Biology 203,204 in addition to 201,202. Any sophomore may elect either 201 or
203 the first semester, either 202 or 204 the second.

An understanding of chemical principles is essential. Students planning to major
in biology who have not had an adequate course in chemistry are urged to elect
Chemistry 103-104 or 101-102. Students planning graduate work in biology are
advised to elect courses in organic chemistry, introductory physics, and calculus.

Biology 202 and 303 may be of particular interest to students majoring in other sub-
jects, and may be taken by qualified students without the usual prerequisites with the
approval of the department.

The objective of the biology major is an understanding of living organisms in rela-
tion to their environment. Development, evolution and heredity, the structure of

*On sabbatical leave first semester 1959-60
**First semester 1959-60; on sabbatical leave second semester 1959-60
***Second semester 1959-60

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organisms and their responses to environmental changes are all explored with this objective in view. Modern methods of investigation, current concepts and discoveries, and survey of recent literature are integral parts of the program. A fairly extended knowledge of living things in action is thus afforded for those who desire this aspect of a liberal education. The work in the major also provides adequate training in biology for those planning to enter graduate schools of biology, medicine, and dentistry.

THE DEGREE WITH HONORS IN BIOLOGY

Eligible students majoring in biology who plan to become candidates for the degree with honors may do so by electing the following program:

Three-semester program of honors course and thesis

Junior year, second semester
Biology H352 Experimental Biology

Senior year, first and second semesters
Biology H451-452 Senior Honors Thesis

In addition to the sequence courses and the program of honors course and thesis, the program for the degree with honors in biology also includes three electives, of which one must be a course in biology; the other two may be Chemistry 301-302 or, with the consent of the department, may be chosen from Chemistry 201,202 or Geology 305. Students entering the honors program in their senior year may substitute a term course in biology for H352.

101-102 Basic Concepts of Modern Biology

First semester: The animal world. Properties of living matter; metabolism and function of major organ systems; reproduction, development; genetics and the principles of inheritance.

Second semester: The plant world; study of a series of plants and their physiological properties. Relationships of populations to their environment; the modern concept of evolution and the main theories advanced to explain it.

Lectures and laboratory work, six hours a week. Fee, $5 a term.

Freshman course.
Hour K Lab. sections: Mon., Tu., Wed., Th.
Exam A First semester: Grant, Matthews, Waterman, Blight
Second semester: Whitehead, Grant

201 Vertebrate Zoology

Structure of the vertebrate body; comparative study of gross and microscopic structure and the phylectic homologies of chordates; correlation of structural differences with vertebrate environments and modes of life. Laboratory study of the dog-
fish, an amphibian, and the cat; histology of organ systems; demonstrations of other chordate groups, including the protochordates.

Lectures and laboratory work, six hours a week. Fee, $5.

Sophomore course. Prerequisite, Biology 101-102 or, with the consent of the department, admission credit in biology.

Hour D Lab. sections: Tu., Wed.

Exam E

202 Organic Evolution

An introduction to the principles and modern theories of the evolutionary process with emphasis on the invertebrates; a critical review of the mechanisms of speciation and the importance of geological isolation; the relationships of the main groups of organisms to each other; human evolution; the origin of life. Laboratory study of selected invertebrates; occasional field trips.

Lectures, conferences, laboratory work, six hours a week. Fee, $5.

Sophomore course. Prerequisite, Biology 101-102, or, with the consent of the department, admission credit in biology. (Open to majors in other departments without prerequisite with consent of the department.)

Hour D Lab. section: Wed.

Exam E

203 Non-vascular Plants


Lectures, conferences, and laboratory work, six hours a week. Field trips. Fee, $5.

Sophomore, junior, and senior course. Prerequisite, Biology 101-102.

Hour L Lab. section: Mon.

Exam O

204 Vascular Plants


Lectures, conferences, and laboratory work, six hours a week. Field trips. Fee, $5.

Sophomore, junior, and senior course. Prerequisite, Biology 101-102.

Hour L Lab. section: Th.

Exam O
301 Principles of Genetics

Mendelian laws; the physical basis of inheritance; interrelationship of heredity and environments; theories of sex determination; mutation; current concepts of the gene and gene action; developmental and population genetics; genetic theories of evolution; present hazards to genetic mechanisms and their threat to future generations.

Lectures, conferences, and laboratory work, six hours a week. Fee, $5.

Junior course. Required course in the major. Prerequisite, Biology 101-102.

Hour M Lab. sections: Tu., Wed.
Exam M

302 Vertebrate Embryology

Processes and principles of development: comparative study of reproduction in vertebrates; development and growth of vertebrates from fertilization to hatching or birth, with special reference to frog, chick, and mammal.

Lectures, conferences, and laboratory work, six hours a week. Fee, $5 and breakage.

Junior course. Required course in the major. Prerequisite, Biology 101-102.

Hour M Lab. sections: Tu., Wed.
Exam M

303 Ecology

Animal populations and their physical environment; biogeochemical cycles and the productivity of biological communities; the major principles of population dynamics; group behavior; oceanography and marine biology. The use of quantitative methods for population studies in laboratory and field. Occasional field trips.

Lectures, conferences, and laboratory work, six hours a week. Fee, $5.

Junior and senior course. Prerequisite, Biology 101-102. (Open to majors in other departments without prerequisite with consent of the department.)

Hour C Lab. section: Th.
Exam N

304 Cytology

The microscopic components of the nucleus and cytoplasm of cells with an introduction to modern cytochemical methods. Structure and function of the major types of animal tissues; basic methods of preparing tissues for microscopic examination.

Lectures, conferences, and laboratory work, six hours a week. Fee, $5.

Junior and senior course. Prerequisite, Biology 101-102.

Hour C Lab. section: Mon.
Exam N
401-402 Principles of Physiology

First semester: Physical and chemical principles involved in responses of the cell; surface membranes and the transfer of materials through them; activities of muscle and nerve cells.

Second semester: Functional aspects of the principal organ systems in vertebrates.

In both semesters a series of conferences is arranged with all members of the department for the discussion of significant developments in biology. Preparation for these involves reviewing and coordinating various aspects of the field and serves as preparation for the major examination.

Lectures, conferences, and laboratory work, six hours a week. Fee, $5 a term.

Senior course. Required course in the major. Prerequisite, Biology 301, 302.

Hour 8:30-10 Tu., Th. Lab. sections: Tu., Wed.
Exam I

HONORS COURSES

H352 Experimental Biology

The scientific literature of several areas of biology is studied and analyzed in conferences while experiments dealing with some aspect of each field are carried out in the laboratory. A report is prepared for each segment of the course.

In the last two weeks of the course each student selects a problem which he will continue work with in his senior year. During these two weeks the senior honors candidates present their theses to the group for discussion.

Discussion and laboratory work, 5 hours a week. Prerequisites, Biology 101-102 and 301.

Honors course for juniors and seniors.

Hour Arr.
Exam Arr.

H451-452 Senior Honors Thesis

Each student continues with a problem selected at the end of his junior year and prepares a thesis under the supervision of a member of the department. At the end of the year he defends this thesis before the members of the Junior Honors Course (Biology H352).
Biology, Chemistry

GRADUATE COURSE

501-502 Advanced Experimental Biology

The historical background, modern techniques, and recent developments of representative biological problems. The nature and scope of the problems and the methods employed to study them will be varied to suit the needs and background of the student in preparing him for further graduate work in the field.

Hour Arr.
Exam Arr.

Members of the Department

CHEMISTRY (Div. III)

Chairman, Professor J. R. Curry

Professor Curry, Professor Compton, Professor Taylor, Associate Professor Warren, Assistant Professor Dilts, Assistant Professor Markgraf, Dr. Finkelstein, Dr. Randall, Dr. Smyth, Miss Donega.

MAJOR PROGRAM

Sequence courses
- Chemistry 101-102 General Chemistry
- Chemistry 201 Elementary Quantitative Analysis
- Chemistry 202 The Structure of Matter
- Chemistry 301-302 Organic Chemistry
- Chemistry 401-402 Advanced Chemistry

or

- Chemistry 101-102 General Chemistry
- Chemistry 201 Elementary Quantitative Analysis
- Chemistry 202 The Structure of Matter
- Chemistry 301-302 Organic Chemistry
- Chemistry 403-404 Advanced Topics in Chemistry

Parallel courses
- Chemistry 303 Elementary Physical Chemistry
- Chemistry 304 Advanced Quantitative Analysis, or,

with the consent of the department, one year course (or two semester courses) from among the following: Biology 101-102, 201, 302; Geology 101-102, 201-202; Mathematics 101,102; Physics 101-102, 103-104.

*Second semester 1959-60
The chemistry major furnishes a field of concentration for students interested in extending their knowledge of the methods and content of the science as part of a liberal college education. The courses are organized to provide a foundation in the fundamental fields of chemistry, to develop the applications and relationships of chemistry to the other sciences, and to reveal the role it plays in problems of modern life. The major furnishes adequate preparation for graduate study in pure chemistry, chemical engineering, medicine, and related subjects. It is also useful to those whose later business activities may deal with chemical materials or processes.

THE DEGREE WITH HONORS IN CHEMISTRY

Chemistry majors who are accepted as candidates for the degree with honors take the following program:

**Junior year, first and second semesters**

- Chemistry 301-302 Organic Chemistry
- Chemistry 303 Elementary Physical Chemistry
- Chemistry 304 Advanced Quantitative Analysis
  
  or

- Chemistry 301-302 Organic Chemistry and
- an approved course in a related department

**Senior year, first and second semesters**

The student takes Chemistry H451-452 Senior Honors Thesis in addition to the senior course (Chemistry 401-402 or 403-404).

The work in Chemistry H451-452 is individual laboratory work in a field of interest to the student. It is carried out under the direction of a department member and culminates in a thesis.

Honors students also meet periodically with the staff in an informal colloquium to discuss their work and to consider current topics of interest in chemistry.

**American Chemical Society Accredited Major in Chemistry for Students Planning to Enter Chemistry as a Profession**

The American Chemical Society has prescribed minimum requirements for a student who wishes to obtain a Bachelor of Arts degree with a major in chemistry for the purpose of continuing his chemical training in a graduate school or entering chemical industry as a chemist. The courses given below satisfy the minimum requirements for the A.C.S. accredited major. Students should plan their program in consultation with the department of chemistry.

Chemistry 101-102, 201,202, 301-302, 303,304, 401-402.

Physics 103-104 (101-102). An additional year is desirable.

Mathematics 101,102. This course must be taken before Chemistry 401-402. An additional year is desirable.

German 101-102. A reading knowledge of French is also desirable.

A total of three additional courses in Division I and Division II.
Chemistry

101-102 General Chemistry

The general principles of elementary chemistry with emphasis on modern concepts of the structure of matter, and application of these principles to the chemistry of some of the more common elements and compounds. The laboratory work illustrates fundamental principles; during the first semester it is semiquantitative in nature, and most of the second semester is devoted to qualitative analysis.

This course is designed for students who plan to take higher science courses. Those students expecting to take Chemistry 201 must elect this course.

Lectures and regular conferences, three hours a week; laboratory work, three hours a week. Fee, $9 a term and breakage.

Freshman course.

Hour D Lab. sections: Mon., Tu., Wed., Th. 
Exam E

103-104 An Introduction to Chemistry

Introduction to the concepts of chemistry, with discussion of their development, application, and significance. Topics include: structure and behavior of matter; origin of discoveries; nuclear chemistry; chemistry and medicine; chemistry and agriculture; the chemical industry. Laboratory work supplements certain of these topics.

This course has been organized specifically to provide an understanding of chemistry for those students whose major interest lies in fields other than science.

Lectures and conferences, three hours a week; laboratory work three hours a week. Fee, $12 a year and breakage.

Freshman course.

Hour M Lab. sections: Tu., Wed. 
Exam T

201 Elementary Quantitative Analysis

The theory and practice of inorganic quantitative analysis. Gravimetric and volumetric methods. Laboratory work consists of the application of the principles and techniques to quantitative determinations.

Lectures, three hours a week; laboratory, four hours a week. Fee, $9 and breakage.

Sophomore course. Prerequisite, Chemistry 101-102.

Hour L Lab. sections: Mon., Tu., Wed., Th. 
Exam O 

West, Curry
202 The Structure of Matter


Lectures, three hours a week; laboratory work, four hours a week. Fee, $9 and breakage.

Sophomore course. Prerequisite, Chemistry 101-102 or 103-104.

Hour L Lab. sections: Mon., Tu., Wed., Th.
Exam O

301-302 Organic Chemistry

Systematic study of the compounds of carbon with co-ordinated laboratory work on organic reactions, preparations, and qualitative analysis.

Lectures, three hours a week; laboratory work, four hours a week. Fee, $9 a term and breakage.

Junior course. Prerequisite, students taking this course must have taken or be taking Chemistry 201,202.

Hour C Lab. sections: Mon., Th.
Exam N

303 Elementary Physical Chemistry

A survey of fundamental laws governing the behavior of gases, liquids, and solutions. Laboratory work is quantitative in nature and involves the measurement of selected physico-chemical properties.

Lectures, three hours a week; laboratory work, four hours a week. Fee, $9 and breakage.

Sophomore course. Prerequisites, Chemistry 201 and Mathematics 101,102.

Hour K Lab. section: Tu.
Exam A

304 Advanced Quantitative Analysis

A treatment of some of the more advanced methods used in quantitative analysis. Primary emphasis is on the theory and application of electrical and optical instrumental techniques.

Lectures, three hours a week; laboratory work, four hours a week. Fee, $9 and breakage.

Junior course. Prerequisite, Chemistry 201,202.

Hour K Lab. section: Tu.
Exam A
Chemistry

401-402 Advanced Chemistry

An extension and coordination of the earlier courses in chemistry.

First semester: Thermodynamics, equilibria, electro-chemistry and chemical kinetics.

Second semester: Theoretical organic chemistry, including the correlation of structure with properties, reaction mechanisms, and the scope and limitations of organic reactions. Fee, $9 a term and breakage.

Senior course. Prerequisites, Chemistry 201,202 and 303,304; Physics 103-104 (101-102); Mathematics 101,102. Students taking this course must have taken or be taking Chemistry 301-302. (Double-credit course for chemistry majors.)

Hour AB (8:30-10) Lab. section: Th.
Exam G
CURRY, MARKGRAF

403-404 Advanced Topics in Chemistry (To be offered only in 1960-61.)

First semester: The isolation, characterization, and properties of natural products. Some of the following types of compounds will be discussed: proteins, carbohydrates, vitamins, enzymes, antibiotics, alkaloids, steroids.


Senior course. Prerequisite, Chemistry 301-302. (Double-credit course for chemistry majors.)

Hour AB (8:30-10) Lab. section: Wed.
Exam G
WARREN, TAYLOR

[403-404 Advanced Topics in Chemistry (Not offered 1960-61; to be offered 1961-62 and thereafter.)

The application of fundamental chemical principles to broad areas of current chemical interest with emphasis on natural products.

First semester: The isolation, characterization, and properties of natural products. Some of the following types of compounds will be discussed: proteins, carbohydrates, vitamins, enzymes, antibiotics, alkaloids, steroids.

Second semester: Selected aspects of chemical behavior including the properties of gases and solutions, pH relations, oxidation-reduction systems, the colloidal state, the speed of reactions and catalysis, energy relations and their application to the study of natural products.

Senior course. Prerequisite, Chemistry 301-302. (Double-credit course for chemistry majors.)

Hour AB (8:30-10) Laboratory work, four hours a week.
Exam G]
HONORS COURSES

H351-352 Junior Honors Course
H451-452 Senior Honors Thesis
Fee, $9 a term and breakage.

GRADUATE COURSES

[501 Advanced Organic Synthesis (Not offered 1960-61.)
An extension of the generalized reactions of aliphatic and aromatic compounds and their application to the synthesis of organic compounds. Methods of building up carbon skeletons. Introduction and interconversion of functional groups. New advanced methods will be emphasized. Role of synthesis and degradation reactions in the study of the structure of natural products with specific examples.

Hour J
Exam M

[502 Chemical Thermodynamics (Not offered 1960-61.)
The first, second, and third laws of thermodynamics. Enthalpy, entropy, free energy, fugacity and activity functions. Partial molal quantities. Application of thermodynamics to gaseous reactions, heterogeneous systems, and processes involving solutions.

Hour J
Exam M

[503 Theoretical Aspects of Organic Chemistry (Not offered 1960-61.)
A study of recently developed theories correlating the structure and properties of organic compounds. Qualitative aspects of the concept of resonance. Resonance and color in organic molecules. Acidity and basicity. Mechanisms of polar reactions including representative examples of nucleophilic displacements, elimination reactions, addition to multiple linkages, molecular rearrangements, aromatic substitution, esterification and hydrolysis, etc. Free radical reactions. Criteria for establishing reaction mechanism.

Hour J
Exam M

[504 Advanced Instrumental Analysis (Not offered 1960-61.)
A study of the theory and application of instrumental methods in chemical analysis. Electrical titration methods, polarography, visible, infrared and ultraviolet spectrophotometry, spectroscopy, X-ray analysis, nuclear radiation measurements, etc.

Hour A
Exam G
Chemistry

505 Newer Methods of Analytical Chemistry
A coverage of recent developments in non-instrumental methods of analytical chemistry. Complex ions, organic reagents, organic functional group analysis. Methods of separation such as ion exchange, chromatography, extraction.

Hour Arr.
Exam Arr.

[506 Physical Methods for Determining Structure (Not offered 1960-61.)]
The principles involved in the more important physical methods for determining the structure of molecules and solids are discussed. Range of applicability and consideration of typical results are emphasized. Topics will be selected from the following: X-ray diffraction, electron diffraction, dipole moment measurements, magnetic susceptibility measurements; classical, raman, infrared and microwave spectroscopy; nuclear, magnetic, resonance.

Hour J
Exam M

[507 Chemical Kinetics and Mechanism (Not offered 1960-61.)]
Methods of obtaining and treating rare data, collision theory, transition-state theory, reactions in solution, complex reactions, homogeneous catalysis, application to reaction mechanisms.

Hour Arr.
Exam Arr.

[508 Electrochemistry (Not offered 1960-61.)]
Electrolysis, conductance, theories of ionic interaction, electrode phenomena, modern theories of acids and bases.

Hour Arr.
Exam Arr.

510 Special Topics in Organic Chemistry
A survey of the fundamental chemistry of one or more of the following specialized fields of organic chemistry: heterocyclic chemistry, high polymers, alkaloids, carbohydrates, proteins, terpenes, chemotherapeutic agents, steroids. Occurrence, importance, properties, methods of isolation, characterization and synthesis.

Hour Arr.
Exam Arr.

Warren
[511 Colloid Chemistry (Not offered 1960-61.)

Surface tension, adsorption, structure of surfaces, electrokinetic phenomena. General properties of lyophobic and lyophilic colloids and other high molecular weight substances.

  Hour Arr.
  Exam Arr.

[513 Structure of Matter—Inorganic (Not offered 1960-61.)

A detailed study of atomic structure and chemical bonding with a correlation of their effects on the chemical and physical properties of inorganic materials. Nuclear and extranuclear structure, radio-activity, valence, inorganic chemistry.

  Hour J
  Exam M

CLASSICS (Div. I)

Chairman, Professor G. M. Harper, Jr.

Professor Harper, Professor Avery, Assistant Professor Edwards.

MAJOR PROGRAM—The Classics major may take either of the following forms:

(1) For those whose primary interest is Greek

  Sequence courses
  Greek 103-104 Herodotus and Homer
  Greek 105-106 Plato and Greek Drama
  Greek 401-402 Survey of Classical Greek Literature

  Parallel courses
  (a) History 323,324 Greek and Roman History or a course in Latin
  (b) Greek 301-302 Greek Literature (in English) or a course in Latin

(2) For those whose primary interest is Latin

  Sequence courses
  Latin 105-106 Roman Comedy and Latin Lyric Poetry
  Latin 201-202 Literature of the Golden Age, or
  Latin 301-302 Contemporary Criticism of Imperial Society and Government
  Latin 401-402 A Survey of Classical Latin Literature
Classics, Classical Civilization, Greek

Parallel courses
(a) History 323,324 Greek and Roman History or a course in Greek
(b) Latin 105-106 Roman Comedy and Latin Lyric Poetry
       Latin 201-202 Literature of the Golden Age or a course in Greek (including Greek 301-302)

The courses in each of the departmental sequences—that is, in Greek or in Latin—are designed to develop the student’s command of the languages and at the same time to acquaint him with some of the masterpieces of Greek and Latin poetry and prose. The function of the parallel courses in the Greek and Latin languages is similar. Greek 301-302 and History 323,324 are designed to give the student a broader view of classical literature and of the history of Greece and Rome than is usually possible through the medium of courses in the Greek and Latin languages.

THE DEGREE WITH HONORS IN CLASSICS

All candidates for the degree with honors must write a thesis. The student may devote both junior and senior years to the preparation and writing of a thesis (H351-352, H451-452), or he may elect two honors courses in his junior year (H353, H354) and confine his work on a thesis to his senior year (H451-452). The honors courses will offer training in critical analysis, and written reports will be presented by the students.

CLASSICAL CIVILIZATION (Div. II)

101-102 Classical Civilization

A historical survey of the cultural achievements of Greece and Rome, with special attention to the meaning and value of their contribution to the modern world. Lectures and assigned readings.

Freshman course. Enrollment limited to freshmen and sophomores.
Hour L
Exam O

GREEK (Div. I)

101-102 Elementary Greek

The rudiments of the language and the reading of simple Attic prose; and, if time permits, reading in Homer.

Freshman course.
Hour B
Exam K
103-104  Herodotus and Homer

Selections from the History of Herodotus and from the Iliad of Homer.

Freshman course. Prerequisite, Greek 101-102 or admission Greek 3 (or 2 by special permission). With the permission of the department, either semester may be taken separately.

Hour  Arr.
Exam  Arr.

105-106  Plato and Greek Drama

First semester: The character of Socrates as portrayed in Plato's Apology, Crito, and Phaedo, and as caricatured in Aristophanes' Clouds.

Second semester: Introduction to Attic tragedy. Reading of Aeschylus, Sophocles, and Euripides.

Freshman course. Prerequisite, Greek 103-104 or admission Greek 4 or by special permission, admission Greek 3. With the permission of the department, either semester may be taken separately.

Hour  Arr.
Exam  Arr.

201-202  Lyric Poetry and Thucydides

First semester: The elegiac, iambic, and melic poets. Development of the various types of lyric poetry among the Greeks. Characteristic features of these types, and some account of their influence on later poetry.

Second semester: Extensive reading in the History of Thucydides, with occasional lectures and reports on literary and historical subjects.

Sophomore course. Prerequisite, Greek 105-106. With the permission of the department, either semester may be taken separately.

Hour  Arr.
Exam  Arr.

301-302  Greek Literature (in English)

The chief masterpieces of Greek literature in English translation: their content and structure. The origin of the various types of poetry and prose and their influence on later literature. No knowledge of the Greek language required. Lectures and discussion. Assigned reading and reports.

Junior course. Prerequisite, English 101-102.

Hour  K
Exam  A

Edwards, Avery

Edwards

Avery

Harper
Greek, Latin

401-402 Survey of Classical Greek Literature

Readings in the more important authors as representatives of the various literary types created and developed by the Greeks. An estimate of the permanent value of the Greek achievement in literature. Critical investigation of literary problems will be encouraged by individual assignments.

Senior course. Required course in the major. Prerequisite, Greek 105-106 or 201-202.

Hour Arr.
Exam Arr.

HONORS COURSES

H351-352 Junior Honors Course

Members of the Department

H353 Homer and the Epic

A study of the Iliad and Odyssey, in which extensive reading in the original will be supplemented by an appraisal of Homer’s literary achievement and of his commanding influence upon Greek and Roman literature.

Honors course for juniors and seniors. Prerequisite, Greek 105-106.

Hour Arr.
Exam Arr.

Members of the Department

H354 Attic Drama

Extensive readings in Attic tragedy and comedy, and a consideration of the distinctive characteristics of Greek drama.

Honors course for juniors and seniors. Prerequisite, Greek 105-106.

Hour Arr.
Exam Arr.

Members of the Department

H451-452 Senior Honors Thesis

Members of the Department

LATIN (Div. I)

101-102 Elementary Latin

The rudiments of the language, followed by the reading of simple prose.

Freshman course.

Hour B
Exam K

Edwards
103-104 Intermediate Latin

Selected reading in prose and poetry together with a review of the language.

*Freshman course.* Prerequisite, admission Latin 2. With the permission of the department, either semester may be taken separately.

*Hour A*
*Exam G*

105-106 Roman Comedy and Latin Lyric Poetry

*First semester:* The origin, development, and later influence of ancient comedy will be studied in connection with the reading of selected plays of Plautus and Terence.

*Second semester:* The works of Catullus and Horace will be read as the finest examples of this kind in Latin literature. The value and interest of the poems as social documents will be considered.

*Freshman course.* Prerequisite, admission Latin 4 or by special permission, admission Latin 3. With the permission of the department, either semester may be taken separately.

*Hour D*
*Exam E*

201-202 Literature of the Golden Age

Extensive readings in Lucretius, Livy, Ovid, and Vergil, and perhaps other authors, to illustrate the ideals and achievements of the age.

*Sophomore course.* Prerequisite, Latin 105-106. With the permission of the department, either semester may be taken separately.

*Hour Arr.*
*Exam Arr.*

301-302 Contemporary Criticism of Imperial Society and Government

The reading will include the historian Tacitus, the biographer Suetonius, and the satirist Juvenal.

*Junior course.* Prerequisite, Latin 201-202. With the permission of the department, either semester may be taken separately.

*Hour Arr.*
*Exam Arr.*

401-402 A Survey of Classical Latin Literature

Readings in the more important authors as representatives of the various literary types cultivated by the Romans. The influence of Greek models. An estimate of
Latin, Comparative Literature

the permanent value of the Roman achievement in literature. Critical investigation of literary problems will be encouraged by individual assignments.

Senior course. Required course in the major. Prerequisite, Latin 301-302.

Hour Arr.
Exam Arr.

HONORS COURSES

H351-352 Junior Honors Course

H353 Cicero: Statesman, Philosopher, and Man of Letters

Representative readings in Cicero as a point of departure for consideration of Cicero’s contribution to Roman literature and an evaluation of his role in the political struggles of the closing years of the dying Roman Republic.

Honors course for juniors and seniors. Prerequisite, Latin 201-202.

Hour Arr.
Exam Arr.

H354 Vergil and the Poetry of the Augustan Age

A consideration of Vergil’s poetry and a study of his contribution and that of Horace and other contemporary poets to the growing sense of national solidarity which Augustus was eager to foster.

Honors course for juniors and seniors. Prerequisite, Latin 201-202.

Hour Arr.
Exam Arr.

H451-452 Senior Honors Thesis

COMPARATIVE LITERATURE (Div. I)

[302 Comparative Literature: Dante (Not offered 1960-61; to be offered 1961-62.)

Dante's Vita Nuova and Divine Comedy. Introductory study of poems of the Provencal troubadours and of Cavalcanti.

Readings will be done in translation.

Junior course. Prerequisite, English 101-102 or any literature course in a foreign language.

Hour M
Exam T

Hunt]


**DRAMA (Div. I)**

Chairman, Professor G. Playfair

Professor Playfair, Mr. Mathews.

**201 Introduction to the Art of Theatre**

A study of the nature of the theatrical impulse, its origins and manifestations in Western Culture. An historical approach to dramatic form, theatrical form, the physical theatre, and the audience.

Two lectures and a conference section weekly. *Fee, $2.50.*

*Sophomore course.* Prerequisite, English 101-102.

*Hour D*

*Exam H*

R. T. Mathews

**202 Form and Techniques in the Living Theatre**

A consideration of the theories and practices of the theatre of today as presented in the writings of Appia, Craig, Stanislavsky, Rheinhardt, Artaud, Barrault, and others. With a view towards increasing the student’s appreciation of the theatrical event and heightening his critical faculty.

Three conferences a week. *Fee, $2.50.*

*Sophomore course.* Prerequisite, Drama 201.

*Hour D*

*Exam H*

R. T. Mathews

**301 Theatre Production**

A concentrated analysis of plays of various styles and periods. Dramatic construction is closely studied, and instruction given in the technique of visualising a play’s production on the stage through consideration of the problems involved in casting, direction, and scenic presentation. Registration is limited.

Three hours of lecture and discussion a week, and additional individual conferences. *Fee, $2.50.*

*Junior course.* Prerequisite, Drama 201,202 or permission of the department.

*Hour Arr.*

*Exam Arr.*

Playfair

**302 Theatre Writing**

A practical study of dramatic expression. The student begins with exercises in construction, dialogue, and choice of theme, and goes on to write a short play of his own. Registration is limited.

Three hours of discussion a week, and additional individual conferences. *Fee, $2.50.*

*Junior course.* Prerequisite, Drama 301.

*Hour Arr.*

*Exam Arr.*

Playfair
MAJOR PROGRAM

Sequence courses

Economics 101-102  General Economics
Economics 301 (303)  Money, Income, and Growth
Economics 304 (306)  The Price System
Economics 401-402  Economic Development and Economic Systems

Parallel courses

(a) Economics 201  The Modern Corporation
    Economics 202  The Public Sector—Scope and Financing
(b) Two semester courses in economics

The primary objectives of the major are to enrich the student's understanding of the economic facets of the contemporary world and to equip him to analyze current and emerging economic issues. The introductory course surveys broadly the major branches of modern economic theory and illustrates the application of the tools of analysis to selected current problems. The student who begins economics as a freshman is permitted, in his sophomore year, to pursue his special interests in the various branches of applied economics by electing two semester courses from among those open to sophomores. In the required junior courses, the student will devote one term to the advanced study of the price system as a guide and regulator of economic activity, and another term to a systematic analysis of the problems of stability and growth in an advanced industrial country. The senior course enables the student to employ his skills in economic analysis in the study of the economic problems of underdeveloped countries and in the comparison and evaluation of alternative systems of national economic organization and planning in advanced countries. In addition to the required courses, the student selects two semester courses from the department's elective offering.

*On leave beginning January 1, 1960
**On leave 1959-60
THE DEGREE WITH HONORS IN ECONOMICS

Students majoring in economics who plan to become candidates for the degree with honors may elect one of the following programs:

(1) **TWO-YEAR PROGRAM OF HONORS COURSES**
- Required sequence courses and
- Four honors courses in economics
  - With the consent of the department an honors course in another department may be substituted for one of the four honors courses in economics.

(2) **TWO-YEAR PROGRAM OF HONORS COURSES AND THESIS**
- Required sequence courses
- Two honors courses in economics, and
- Economics H451-452 Senior Honors Thesis

101-102 **General Economics**

Study of the principles of economics and their application in analyzing and understanding the contemporary economic environment. Includes such topics as the corporation, markets and the price-making process, the farm problem, the distribution of income, the causes of depression and inflation, commercial banking and the Federal Reserve System, fiscal policy and national debt, and foreign trade.

*Freshman course.*

- **Hours**: A, B, C, D, J, K, L
- **Exam**: B

**Members of the Department**

201 **The Modern Corporation**


* Sophomore course.* Prerequisite, Economics 101-102.

- **Hour**: K Tu., Th. Conference sections: B, C Fri., K Sat.
- **Exam**: A

**Schneider**

202 **The Public Sector—Scope and Financing**

Examination of conflicting doctrines regarding the proper scope of the government and private sectors. Economic issues and problems in the expansion of government functions to reduce insecurity, alleviate poverty, and promote greater equality of
Economics

educational, health, and other opportunities. The problem of national defense. Federal-state-local fiscal relationships. Appraisal of financial and tax aspects and conflicting claims of equity and incentives.

Sophomore course. Prerequisite, Economics 101-102.

Hour K Tu., Th. Conference sections: B, C Fri., K Sat.
Exam A

203 Labor Economics

The impact of U.S. social and economic environment on the structure and objectives of labor and management institutions. Wage setting and effect of collective bargaining on general wage level changes and on inter-industry and inter-regional wage structures. Role of government in labor-management relations. Impact of the organized labor movement on industrial capitalism in a democracy.

Sophomore course. Prerequisite, Economics 101-102.

Hour B
Exam I

204 The Government and Business


Sophomore course. Prerequisite, Economics 101-102.

Hour B
Exam I

301 Money, Income, and Growth

The determinants of national income, employment, price level, and rate of growth in the economic system. Includes analysis of consumption and saving, factors affecting private investment, the growth process, prosperity and depression, the role of the banking system, interactions between money and national income, some implications for public policy.

Junior course. Prerequisite, Economics 101-102.

Hours A, C
Exam N

- 86 -
303 Money, Income, and Growth

This is an honors section of Economics 301 for students whose previous work in economics has been of superior quality.

Junior course. Prerequisite, Economics 101-102.

Hour K
Exam A

Despres

304 The Price System

The role of price in guiding the economic system. Examination of types of market organization, and price and production practices in various sectors of the U.S. economy. Strengths and weaknesses of the free market as a device for promoting economic welfare. Forces determining the level of wages, profit, interest, and rent.

Junior course. Prerequisite, Economics 101-102.

Hours A, C
Exam N

Rhoads, Schneider

306 The Price System

This is an honors section of Economics 304 for students whose previous work in economics has been of superior quality.

Junior course. Prerequisite, Economics 101-102.

Hour K
Exam A

Weckstein

307 Accounting in Economics

The application of accounting methods to analysis of economic problems. Some of the methods and associated problems covered are: interpretation of corporate financial statements, applied to security valuation; depreciation methods, applied to investment decisions and tax policy; costing of products, applied to business pricing policies; and national income accounting, applied to economic projections.

Two lectures and one two-hour laboratory per week.

Junior course. Prerequisite, Economics 101-102.

Hour M Tu., Th. Lab. FG Fri.
Exam M

Weckstein

308 International Economics

The effects of international trade upon the efficiency, growth, and stability of national economies. International capital movements, government and private. The problem of balance of payments equilibrium. Exchange rate flexibility, direct controls, and domestic inflation and deflation as methods of balance of payment adjust-
Economics

Tariffs, commercial policy, discrimination vs. multilateralism, customs unions, and European economic integration. External trade and the American economy.

*Junior course.* Prerequisite, Economics 101-102.

**Hour D**

**Exam E**

310 *Economic Development—Problems and Policies*

Economic analysis as applied to growth problems of underdeveloped countries in Asia, Africa, and Latin America. Cultural and institutional barriers; the mobilization of savings and investment to break the circle of poverty; problems arising from specialization in raw material production; and relationship to foreign economic policies of the United States and to international efforts to foster a more rapid rate of growth. Studies of individual countries.

*Junior course.* Prerequisite, Economics 101-102. (Open only to non-majors.)

**Hour D**

**Exam E**

401-402 *Economic Development and Economic Systems*

**First semester:** Economic theory as applied to growth problems of underdeveloped countries. The mobilization of savings and the stimulation of investment and technological improvement to break the circle of poverty, problems arising from specialization in raw material production, cultural and institutional barriers to growth, and the roles of the state and private enterprise. Studies of individual countries in Asia, Africa, and Latin America.

**Second semester:** Problems of advanced countries in planning their economies, whether the planning is comprehensive or slight. Promotion of growth and progress, economic stabilization, guiding the allocation of resources, improving the distribution of income. The role of the price mechanism under socialism and capitalism. Planning in the Soviet Union, Britain, and the United States.

*Senior course.* Required course in the major. Prerequisites, Economics 301 (303) and 304 (306).

**Hours** 1:30-3 Mon., Wed.; 1:30-3 Tu., Th.

**Exam R**

**Despres, Clark**

**HONORS COURSES**

**H351 Quantitative Economic Analysis**

Discussions and laboratory problems in the use of statistical techniques in economic analysis. Statistical description and inference in the analysis of income distribution; index numbers and measurement of changes in income and output; correlation in
demand analysis and in econometric models. Selected topics, including programming and games.

Honors course for juniors and seniors. Prerequisites, Economics 101-102 and Mathematics 101 and 104.

Hour Arr.
Exam Arr.

H352 Fiscal-Monetary Policies for Stable Growth

Public policy instruments designed to maintain full employment without inflation in an expanding economy. Includes analysis of business cycles, economic forecasting, tax and expenditure adjustments for stabilization and growth, demand and cost influences in inflation, the role of financial institutions, management of money and the public debt.

Honors course for juniors and seniors. Prerequisite, Economics 301 (303).

Hour 10:30-12 Tu., Th.
Exam Arr.

H353 U.S. Economic History

Persistent problems in the development of the U.S. economy. Current issues in an historical context. Depression and inflation, farmer discontent, extremes of wealth and poverty, concentration of economic power, technological change and growth, and problems in international trade and finance.

Honors course for juniors and seniors. Prerequisite, Economics 101-102.

Hour Arr.
Exam Arr.

H354 Labor, Management, and Public Policy

An examination of economic issues and problems associated with the rise of collective bargaining in the United States. Includes such topics as public regulation of internal union organization; industry-wide bargaining; the problem of regional, occupational, and inter-industry wage differentials; guaranteed annual wages; the issue of labor monopoly; and the government role in collective bargaining.

Honors course for juniors and seniors. Prerequisite, Economics 101-102.

Hour Arr.
Exam Arr.
Economics

H355  The Idea of Economic Progress

The evolution of economic ideas with emphasis on changing views of the relation of economics to human progress. The idea of progress in eighteenth century economics; the “dismal” economics of Malthus and Ricardo; the “optimistic” economics of J. S. Mill and Marx; utopian critics and reformers; neoclassical statics; the “cynical” economics of Veblen and Schumpeter; the dynamic economics of Keynes and Harrod. Current views on the relation of economic growth to human welfare.

Honors course for juniors and seniors. Prerequisite, Economics 301 (303).

Hour 1:30-3 Mon., Wed.
Exam Arr.

H356  International Economic Theory and Policy

Application of economic theory to international economic policy. Balance of payments problems, hard and soft currencies, the role of gold, international monetary equilibrium. Commercial policy: free trade versus tariffs and direct control over trade and payments. International lending (public and private) and foreign aid. The long-run dollar problem—scarcity or surplus? Steps toward international economic integration.

Honors course for juniors and seniors. Prerequisites, Economics 301 (303), 304 (306), or with the consent of the department 304 (306) may be taken concurrently.

Hour 1:30-3 Mon., Wed.
Exam Arr.

H357  Current U. S. Economic Problems  (Not offered 1960-61.)

A study of selected timely issues of domestic economic policy, based to a considerable extent on government documents and current periodicals. The choice of topics for investigation will be determined by current developments; examples of possible topics are current fiscal and monetary problems, agricultural price policy, a program for depressed areas, and development and conservation of natural resources.

Honors course for juniors and seniors. Prerequisite, Economics 101-102.

Hour Arr.
Exam Arr.

Political Economy H364  Area Honors Course—Africa

A study of the political and economic problems of Africa, stressing the relationship of economic problems and policies to political developments in the area, and particularly to changing political institutions. Special consideration of the impact of
this relationship and these changes on the shape of U. S. foreign policy and on the East-West contest for strength in less developed areas.

Honors course for juniors and seniors. Prerequisites, Political Science 101-102 (104) and Economics 101-102.

Hour Arr.
Exam Arr.

H451-452 Senior Honors Thesis

ENGLISH (Div. I)

Chairman, Professor R. J. Allen*
Acting Chairman, Professor F. H. Stocking

Professor Allen*, Professor Stocking, Professor Hunt, Associate Professor O’Neill, Assistant Professor Butler, Assistant Professor Megaw, Assistant Professor Gifford, Lecturer Smith, Mr. Aiken, Mr. Lusardi, Mr. Roche, Mr. Taaffe, Mr. Wilde, Mr. Woodson.

MAJOR PROGRAM

Sequence courses
- English 101-102 Literary Analysis
- English 201-202 English Literature of the Sixteenth and Seventeenth Centuries
- English 301-302 English Literature of the Eighteenth and Nineteenth Centuries
- English 401-402 Major Works of English Literature

Parallel courses
Two semester courses in English or Comparative Literature.

The English major emphasizes the study of literature as an art. The first semester of the freshman course analyzes the ways in which language works when it is used for the purpose of artistic expression. The method of analysis taught in this semester is fundamental to all other courses offered by the department. The second semester provides an introduction to later courses in the major sequence by applying this method of analysis to the work of three writers who are important in the historical development of English Literature: Chaucer, Shakespeare, and Milton.

The sophomore and junior sequence courses study the historical development of English literature from the sixteenth century to the end of the nineteenth century. In these courses the analytical technique taught in the freshman course is combined with a study of the historical or biographical facts behind works of literature, and of the philosophic ideas and literary traditions of the periods in which they were written.

*On sabbatical leave 1959-60
The senior sequence course reviews and deepens an understanding of the major sequence by studying longer and more difficult works, from the late Middle Ages to the twentieth century, which are representative of these historical periods.

Students who are planning to major in English should take English 201-202 (the major sequence course) in their sophomore year. It is possible, however, for students who take English 203,204—English Narrative Literature of the Eighteenth, Nineteenth, and Twentieth Centuries (the alternative sophomore course)—to begin the English major in their junior year by taking English 201-202 concurrently with English 301-302. English 203,204 may be offered as a required parallel, with permission of the department.

THE DEGREE WITH HONORS IN ENGLISH

English majors who are accepted as candidates for the degree with honors take one of the two following programs:

1. **TWO-YEAR PROGRAM OF HONORS COURSES**
   - **Junior year, first semester**
     - English 301 English Literature of the Eighteenth and Nineteenth Centuries
     - English H351 Literary Criticism—Required of all honors students.
   - **Junior year, second semester**
     - English 302 English Literature of the Eighteenth and Nineteenth Centuries
     - One honors course
   - **Senior year, first and second semesters**
     - English 401-402 Major Works of English Literature
     - One honors course each semester

2. **TWO-YEAR PROGRAM OF HONORS COURSES AND THESIS**
   - **Junior year, first semester**
     - English 301 English Literature of the Eighteenth and Nineteenth Centuries
     - English H351 Literary Criticism—Required of all honors students
   - **Junior year, second semester**
     - English 302 English Literature of the Eighteenth and Nineteenth Centuries
     - One honors course
   - **Senior year, first and second semesters**
     - English 401-402 Major works of English Literature
     - English H451-452 Senior Honors Thesis

A student who enters the honors program takes the same major sequence courses as other students, but he is excused from the requirement of taking, in addition, two
semesters of parallel courses. Instead, he either takes four honors courses, or takes two honors courses and writes a thesis. At the end of the senior year those honors students who have not written a thesis take not only the same major examination as other students, but a special honors examination.

The honors courses supplement the major sequence and the parallel courses by studying works of English literature and of foreign literature, most of which are not studied in the other courses offered by the department. They differ from the regular courses not so much in the quantity of work as in the kind and quality of work that is expected. The honors student is encouraged, in these courses, to follow his independent interests and to write papers which demand a more thorough knowledge of a subject than is required by most of the papers written in the regular courses.

The department thinks that program (1)—four honors courses—is the more satisfactory of two honors programs for most students. But an honors student who has a strong interest in a particular subject and who, in the opinion of the department, will profit from writing a thesis, may elect program (2). A student who plans to write an honors thesis should, if possible, elect an honors course which is related to the subject of his thesis in the second semester of his junior year.

101-102 Literary Analysis

First semester: An introduction to the logical methods used in the critical analysis of literature. Analysis of poems, short stories, a novel, and plays which illustrate the variety of techniques used in these literary forms.

Second semester: Analysis of works by Chaucer, Shakespeare, and Milton.

Freshman course.

Hours A, B, C, D, E, J, K, L, M

Exam L

Stocking and Members of the Department

201-202 English Literature of the Sixteenth and Seventeenth Centuries

A study of the major writers and literary traditions of Elizabethan and seventeenth century England, with special emphasis on their relation to contemporary social, philosophic, and aesthetic patterns of thought.

Sophomore and junior course. Designed primarily for students intending to major in English. Prerequisite, English 101-102. Sophomores registering for this course may also register for an upperclass elective; see the statement on special opportunities in the sophomore year (page 34).

Hours B, D, J, M

Exam S

Megaw, Aiken,

203 English Narrative Literature through the Eighteenth Century

A study of the development of narrative writing to the beginning of the nineteenth century. Readings in the works of Nashe, Bunyan, Defoe, Pope, Swift, Fielding, and others.
English

With the consent of the department this course may be counted as a parallel course in the English major.

Sophomore course. Prerequisite, English 101-102.

Hours A, K, L

Exam S

204 English Narrative Literature of the Nineteenth and Twentieth Centuries

A study of narrative writing in the nineteenth and twentieth centuries. Readings in the works of Wordsworth, Byron, Emily Bronte, Dickens, Browning, Forster, Golding, and others.

With the consent of the department this course may be counted as a parallel course in the English major.

Sophomore course. Prerequisite, English 101-102.

Hours A, K, L

Exam S

301-302 English Literature of the Eighteenth and Nineteenth Centuries

Major writers and literary traditions of the neoclassical, romantic, and Victorian periods in English Literature.

Junior course. Prerequisite, English 101-102.

Hours D, K

Exam K

307, 308 American Literature

A chronological study of nineteenth and twentieth century American literature. The course concentrates on major works of principal writers: Emerson, Hawthorne, Melville, Whitman, Mark Twain, Henry James, Dreiser, Pound, O’Neill, and Faulkner.

Junior course. Prerequisite, English 101-102.

Hours D, M

Exam C

Gifford, Cantor, Woodson

311 Modern American and British Poetry

The poetry of Pound, Eliot, Yeats, Auden, Thomas, and Stevens. Enrollment limited to 35.

Junior course. Prerequisite, English 101-102.

Hour L

Exam O

Hunt
312 Modern Drama (Not offered 1960-61; to be offered 1961-62.)
A study of representative dramatic works (Continental, British, and American) from Ibsen to the present day.
Junior course. Prerequisite, English 101-102.
Hour L
Exam O

313 The English Novel: Richardson to Meredith
Prose fiction of the eighteenth and nineteenth centuries. Reading and analysis of novels by Fielding, Sterne, Jane Austen, Charlotte Bronte, Dickens, Thackery, and others.
Lectures and discussion.
Junior course. Prerequisite, English 101-102.
Hour B
Exam I

314 The English Novel: Hardy to the Present Day
Reading of representative works of the principal novelists of the twentieth century.
Reading and analysis of novels by Conrad, Virginia Woolf, Lawrence, Huxley, Joyce Cary, and others.
Lectures and discussion.
Junior course. Prerequisite, English 101-102.
Hour B
Exam J

315 Shakespeare (Offered 1960-61; not to be offered 1961-62.)
About fifteen of the principal plays and a selection of the poems, studied in the order of their composition to reveal Shakespeare's changing interests and developing powers as dramatist and poet. Some attention to conditions of his stage, and to traditions in the critical and theatrical interpretation of his work.
Junior course. Prerequisite, English 101-102.
Hour C
Exam N

316 Chaucer
Reading in the works of Chaucer with emphasis on the Canterbury Tales and Troilus and Criseyde.
Junior course. Prerequisite, English 101-102.
Hour C
Exam N
English

[317] Shakespeare: Six Plays (Not offered 1960-61; to be offered 1961-62.)

An intensive study of a small group of plays, designed to provide a closer view of Shakespeare's workmanship. Also examined are Shakespeare's sources and the more important critical interpretations of these plays.


Junior course. Prerequisite, English 101-102. Not open to students who have had English 315.
Hour C
Exam N

401-402 Major Works of English Literature

Important works of major writers—from Chaucer's Canterbury Tales to Joyce's Ulysses—most of which have not been studied in other courses in the major sequence. Additional reading in the literary criticism of the periods in which these works were written, and review of works studied in other courses in the sequence as preparation for the major examination.

Senior course. Required course in the major. Prerequisites, English 201-202 and English 301-302.
Hours 1:30-3 Mon., Wed.; 1:30-3 Tu., Th.
Exam R

HONORS COURSES

H351 Literary Criticism

An introduction to the major problems of critical theory and practice. Each student undertakes a series of exercises which are designed to improve his ability to read, evaluate, and write literary criticism.

Required course for junior English honors students. Prerequisite, English 101-102.
Hour 1:30-3 Mon., Wed.
Exam Arr.

H353 Medieval Epic and Romance—in Translation

Medieval epic poems including Beowulf, the Song of Roland, the Poem of the Cid, and the Nibelungenlied; and medieval romances including Aucassin and Nicolette, Gottfried's Tristram and Iseult, Wolfram's Parzival, some of Chaucer's Canterbury Tales, and Sir Gawain and the Green Knight. Parzival is studied in detail.

Honors course for juniors and seniors. Prerequisite, English 101-102 or any literature course in the foreign language departments.
Hour Arr.
Exam Arr.
English

[H355 Classical and Christian Backgrounds of English Literature (Not offered 1960-61; to be offered 1961-62.)

A study of parts of the Old and New Testaments and of works of Greek and Latin literature (read in translation) which have had an important influence on the imaginations of English writers, together with English works, from the Renaissance to the twentieth century, which derive from these literary traditions.

Honors course for juniors and seniors. Prerequisite, English 101-102.

Hour Arr.
Exam Arr.

Hunt]

H358 Aspects of Romanticism

A study of the patterns of English and Continental Romanticism as those patterns emerge in works of Rousseau, Goethe, Schiller, Coleridge, Wordsworth, Byron and Stendhal, with emphasis on the impact of Romanticism on the development of nineteenth century American literature: Emerson, Thoreau, Poe, Hawthorne, Melville, and Whitman.

Honors course for juniors and seniors. Prerequisite, English 101-102.

Hour Arr.
Exam Arr.

Gifford, Taffe

H360 Masters of Prose Fiction

Studies in romance, realism, and satire as they appear in prose fiction before 1740. Among the authors read are Apuleius, Lucian, Malory, Rabelais, Nashe, Sidney, Cervantes, and Defoe. Some attention will be given to the intellectual and social milieu of these authors, and to their influence on the development of the art of prose fiction.

Honors course for juniors and seniors. Prerequisite, English 101-102 or any language course involving a study of the novel.

Hour 1:30-3 Mon., Wed.
Exam Arr.

Allen

H361 Form in the Modern Novel (Offered to seniors only in 1960-61.)

A study of technique, structural pattern, and form in the novel during the last one hundred years, with emphasis on large-scale or epic fiction (War and Peace, The Brothers Karamazov, The Golden Bowl). Also considered are shorter works by Henry James, Joseph Conrad, Ford Madox Ford, William Faulkner, and others.

Honors course for juniors and seniors. Prerequisite, English 101-102.

Hour Arr.
Exam Arr.

Gifford

Experiment in physics.
English

H362 Three Major Novelists
An intensive study of Fielding, Dickens, and Forster.
Honors course for juniors and seniors. Prerequisite, English 101-102.
Hour Arr.
Exam Arr. Wilde

H371 English Drama: from the Beginnings to 1800 (Not offered 1960-61; to be offered 1961-62.)
Readings in English drama from the miracle and morality plays through the Renaissance and Restoration. Major emphasis is placed on the great period of dramatic creativity from 1580 to 1630.
Honors course for juniors and seniors. Prerequisite, English 101-102 or any foreign language course involving a study of the drama.
Hour Arr.
Exam Arr. Megaw]

H372 The Rise of Modern Drama (Not offered in 1960-61.)
The revival of English drama during the quarter-century preceding the First World War is studied in relation to its nineteenth century background and to contemporary developments in European drama generally.
Honors course for juniors and seniors. Prerequisite, English 101-102.
Hour Arr.
Exam Arr. O'NEILL]

H374 Tragedy (Offered 1960-61; not to be offered 1961-62.)
Readings in tragic drama from Aeschylus to modern times. Greek, English Renaissance, and French neoclassic forms of tragedy are compared, and an attempt is made to distinguish the main currents in modern tragic drama. Readings in the theory of tragedy also.
Honors course for juniors and seniors. Prerequisite, English 101-102 or any foreign language course involving a study of the drama.
Hour Arr.
Exam Arr. Megaw

H376 Comedy (Not offered 1960-61; to be offered 1961-62.)
Readings in dramatic comedy from Aristophanes through Shakespeare and Molière to such moderns as Brecht, Giraudoux, and Thomas. The object is less to provide a historical survey than to explore a wide variety of comic drama and to derive from the plays themselves a more adequate theory of the nature and powers of comedy.

- 98 -
English, Comparative Literature, English Composition

Honors course for juniors and seniors. Prerequisite, English 101-102 or any foreign language course involving a study of the drama.

Hour Arr.
Exam Arr.

H451-452 Senior Honors Thesis

Honors course for seniors planning to submit thesis in partial fulfillment of the requirements for the degree with honors.

Prerequisite, English H351 and one other honors course.

COMPARATIVE LITERATURE (Div. I)

[302 Comparative Literature: Dante (Not offered 1960-61; to be offered 1961-62.)

Dante’s Vita Nuova and Divine Comedy. Introductory study of poems of the Provençal troubadours and of Cavalcanti.

Readings will be done in translation.

Junior course. Prerequisite, English 101-102 or any literature course in a foreign language.

Hour M
Exam T

ENGLISH COMPOSITION

201-202 Creative Writing

Practice in writing short stories, poems, or plays. Class discussion of student work and of some modern poets. Individual conferences.

Registration is limited, and a student who elects this course must, at the time of registration, submit a sample of his creative work for the consideration of the department.

Sophomore course. Prerequisite, English 101-102.

Hour Arr.
No exam

301-302 Creative Writing

Students will write, at their option, prose fiction, poetry, or plays. Individual conferences. Classwork concerned with techniques of writing and re-writing in the different forms.

Registration in this course is limited. Admission is by the consent of the depart-
English Composition, Geology and Mineralogy

A student wishing to elect it must, at the time of registration, submit a paper for the consideration of the department.

Junior course. Prerequisite, English 101-102.
Hour Arr.
No exam

403-404 Creative Writing

Similar to English Composition 301-302 but more advanced, with emphasis on sustained pieces of student writing.
Registration in this course is limited. Admission by the consent of the department.
Senior course. Prerequisite, English Composition 301-302.
Hour Arr.
No exam

FRENCH (Div. I)

(For description of courses see under Romanic Languages)

GEOLOGY AND MINERALOGY (Div. III)

Chairman, Professor E. L. Perry

Professor Perry, Professor Foote, Assistant Professor Ramsdell, Assistant Professor MacFadyen.

MAJOR PROGRAM

Sequence courses
Geology 101-102 General Geology
Geology 301 Structural Geology
Geology 302 Mineralogy
Geology 401-402 Regional Geology

Parallel courses
(a) Geology 305 Paleontology
   Geology 306 Sedimentology and Stratigraphy
(b) Any additional two semester courses in geology. Chemistry 101-102 or its equivalent is required in the major.
The courses in the geology major are organized in such a way as to furnish: (a) a foundation for more advanced work leading to a professional career in geology; (b) a background for work in some fields of commercial activity, such as the marketing of coal, petroleum, or metals; (c) a background for the appreciation of man’s evolution, heritage, and physical environment, as part of a liberal education.

Chemistry is required, and physics and mathematics are recommended as preparation for the junior and senior courses in the departmental sequence.

Students planning to become professional geologists should take courses in allied sciences in addition to the minimum requirements of the geology major. The choice of outside courses will depend on the field of geology in which they intend to specialize. Most graduate schools require Mathematics 101-102 and either Physics 101-102 (103-104) or Biology 101-102. In some cases higher courses are recommended. Ordinarily a reading knowledge of French or German is required for the M. A. degree, and both are required for the Ph.D.

Freshmen taking Geology 101-102, planning to major in geology, are expected to take an additional course in one of the above sciences during freshman year. All prospective majors should plan their course programs with a member of the geology department as early as possible in their college career.

THE DEGREE WITH HONORS IN GEOLOGY

Students majoring in geology who plan to become candidates for the degree with honors may elect one of the following programs, starting with the second term of junior year:

(1) **Program of Honors Courses**

- **Junior year, second semester**
  - Geology 302 Mineralogy
  - Geology H356 Stratigraphy

- **Senior year, first semester**
  - Geology 401 Regional Geology
  - Geology H453 Petrology

- **Senior year, second semester**
  - Geology 402 Regional Geology
  - Geology H354 Studies in Structural Geology

(2) **Program of Honors Courses and Thesis**

a) Thesis in Structural Geology

- **Junior year, second semester**
  - Geology 302 Mineralogy
  - Geology 306 Sedimentology and Stratigraphy
  - Geology H354 Studies in Structural Geology

- **Senior year, first semester**
  - Geology 401 Regional Geology
  - Geology 403 Petrology
  - Geology H451 Senior Honors Thesis
101-102 General Geology

An integrated year course in physical and historical geology. The following topics are considered: earth structure; earthquakes; igneous activity; relative and absolute age determinations; past and present activity of rivers, glaciers, and oceans; sedimentation; mountain building; ore deposits, coal and petroleum; soils.

Emphasis is placed on the study of regional case histories selected so as to illustrate the interrelation of several phases of geology. Independent study of minerals, rocks, fossils, topographic and geologic maps.

Three lectures and one conference a week. Fee, $4 a term.

Freshman course.

Hours A, D, J
Exam D

PERRY, FOOTE, RAMSDELL, MACFADYEN

201-202 Economic Geology

The geology and geography of the important mineral raw materials such as coal, petroleum, building materials, iron, manganese, gold, and the problems connected with soils, soil erosion, floods, water supply, etc. Applications of the study of mineral resources to the social sciences are indicated.

Sophomore course. Prerequisite, Geology 101-102. With the permission of the department either semester may be taken separately.

Hour M
Exam T

First semester: MACFADYEN
Second semester: PERRY
301 Structural Geology

Analysis of geologic structures including faults, joints, folds, and secondary foliation. Reading and interpretation of topographic and geologic maps. Applications of the stereonet. Field work in elementary cartography and use of the Brunton compass.

Lectures and discussions, three hours a week; laboratory work, three hours a week. Fee, $5.

*Junior course.* Prerequisite, Geology 101-102.

Hour B  Lab. section: Tu.
Exam I

Perry, MacFadyen

302 Mineralogy

Elementary crystallography and mineralogy; the development of crystal forms; elements of crystal chemistry; sight identification, origin, and distribution of common rock-forming and ore minerals; introduction to petrographic microscope.

Lectures and discussions, three hours a week; laboratory work, three hours a week. Fee, $5.

*Junior course.* Prerequisite, Geology 101-102. Students taking Geology 302 must have taken Chemistry 103-104 or 101-102 or be taking Chemistry 101-102 concurrently.

Hour B  Lab. section: Tu.
Exam I

Foote

305 Paleontology

An introduction to the morphology, classification, ecology, and evolution of fossil invertebrates and plants; a survey of their distribution in the various geologic periods and their use in the interpretation of geologic history. Field work consists of the collection and study of fossil faunas of the Helderberg region of New York.

Lectures and discussions, three hours a week; laboratory work, three hours a week. Fee, $5.

*Junior course.* Prerequisite, Geology 101-102.

Hour K  Lab. section: Wed.
Exam A

Ramsdell

306 Sedimentology and Stratigraphy

A study of the processes and environments of sedimentary deposition and the classification and description of sedimentary rocks. A case study of several regions to illustrate the principles of stratigraphic interpretation, correlation, and paleo-
Geology and Mineralogy

geography. Field work consists of the study of the Paleozoic sequence of eastern New York State and the Triassic sequence of the northern Connecticut Valley.

Lectures and discussions, three hours a week; laboratory work, three hours a week.

Fee, $2.50.

Junior course. Prerequisite, Geology 305.
Hour K Lab. section: Wed.
Exam A

401-402 Regional Geology

A systematic study of the geological provinces of North America and the bordering ocean basins as a basis for a study in the second semester of the broader problems in geology such as the structure of the crust, radioactivity and the internal heat of the earth, earthquakes, isostasy, and mountain building.

Field work during the fall term; plane table mapping.

Senior course. Required course in the major. Prerequisites, 301,302, and 305,306.
Hour first semester C Lab section: Mon. Field work hours to be arranged, including two days in September before the opening of college.
Hour second semester C Mon., Wed. Conference: NO Th.
Exam N

First semester: FOOTE, MACFADYEN
Second semester: PERRY, MACFADYEN

403 Petrology

Petrology; the origin, emplacement and crystallization of magmas; the classification and identification of igneous rocks; the relationship between ore deposits and vulcanism; the principles of metamorphism and the identification of metamorphic rocks; the use of the petrographic microscope.

Laboratory, three hours a week. Fee, $5.

Senior course. Prerequisite, Geology 302.
Hour L Lab. section: Th.
Exam S

404 Petroleum Geology

A study of the petroleum industry with particular emphasis on the geological principles and problems involved in the finding and developing of oil fields. Specific topics covered are: structural geology, sedimentation and stratigraphy as applied to a study of "traps", migration of petroleum, well logging, elementary geophysics, and geology as applied to production problems. Fee, $3.

Senior course. Prerequisite, Geology 301 or other suitable preparation with the consent of the department.
Hour L
Exam O
H354 Studies in Structural Geology

This seminar will consider the experimental aspects of structural geology through discussion of assigned reading and laboratory work with apparatus such as the deformation table and pressure box. Field observation of structures will be made for analysis and comparison of these with the results of laboratory work. At least one trip will be made to a university laboratory where advanced research in structural geology is in progress.

_Honors course for juniors and seniors._ Prerequisite, Geology 301.

_Hour D_ Lab. section: Mon.

_Exam H_  

_MacFadyen_

H356 Stratigraphy

Taken by honors candidates in place of Geology 306. Follows the same program as the latter, but with special field and laboratory work and occasional conferences.

_Honors course for juniors and seniors._ Prerequisite, Geology 305.

_Hour K_ Lab. section: Wed. Additional hours arranged.

_Exam A_  

_Ramsdell_

H451-452 Senior Honors Thesis

H453 Petrology

Taken by honors candidates in place of Geology 403. Follows the same program as the latter, but with special field and laboratory work and occasional conferences.

_Senior course._ Prerequisite, Geology 302.

_Hour L_ Lab. section: Th. Additional hours arranged.

_Exam S_  

_Foote_
GERMAN AND RUSSIAN (Div. I)

Chairman, Professor W. H. Root

Professor Root, Assistant Professor Hanson, Mr. Little, Mrs. deKeyserlingk, Mr. Folkers.

GERMAN (Div. I)

MAJOR PROGRAM

Sequence courses
German 107-108 Introduction to German Literature
(In special cases and with departmental permission German 103-104, Intermediate German, may be offered as the first sequence course.)
German 201 German Romanticism
German 202 German Realism
German 401-402 Studies in German Literature

Parallel courses
(a) German 107-108 Introduction to German Literature, or higher
(b) Two semester courses in German

The courses required in the departmental sequence and the first parallel course are designed to acquaint the student with representative writers and the most important literary tendencies. The second parallel course enables the student to extend his knowledge of German literature.

Relations between the various periods and with other literatures are emphasized throughout, but the greater part of the major examination is based upon the development of German literature since the beginning of the eighteenth century.

THE DEGREE WITH HONORS IN GERMAN

Eligible students majoring in German who plan to become candidates for the degree with honors may do so by electing one of the following two programs:

(1) Two-year program of honors courses

Junior year, first semester
German 201 German Romanticism
The honors course offered by the department for the given semester

Junior year, second semester
German 202 German Realism
The honors course offered by the department for the given semester
Senior year, first semester
German 401 Studies in German Literature
The honors course offered by the department for the given semester

Senior year, second semester
German 402 Studies in German Literature
The honors course offered by the department for the given semester

(2) TWO-YEAR PROGRAM OF HONORS COURSES AND THESIS

Junior year, first semester
German 201 German Romanticism
The honors course offered by the department for the given semester

Junior year, second semester
German 202 German Realism
The honors course offered by the department for the given semester

Senior year, first and second semesters
German 401-402 Studies in German Literature
German H451-452 Senior Honors Thesis

In the honors courses special emphasis is placed on training in critical methods; the student is given an opportunity to pursue individual study along the lines of his particular interest.

101-102 Elementary German
Grammar, oral use of the language, reading of graded prose.
The class meets three hours a week; but in addition, as part of their preparation, students are required to spend two half-hour periods every week in the Language Practice Laboratory. Laboratory fee, $3.50 a term.
Freshman course.
Hours A, J, L
Exam Q

MRS. DEKEYSERLINGK, FOLKERS

103-104 Intermediate German
Reading of graded prose. Reading and interpretation of one or more representative classical or modern works.
At the discretion of the instructor, students who show need of special oral training may be assigned two half-hour periods per week in the Language Practice Laboratory. Laboratory fee, $3.50 a term.
Freshman course. Prerequisite, German 101-102 or admission German 2.
Hours B, D, J
Exam Q

FOLKERS
German

107-108 Introduction to German Literature

Study of selected works of Lessing, Goethe, Schiller, and Heine and of the most important phases in the development of modern German literature, including works of Thomas Mann, Hauptmann, or others.

Freshman course. Prerequisite, German 103-104 or admission German 3 or 4.

Hours C, M
Exam D

201 German Romanticism

A study of the Romantic school and its achievements in the lyric, drama, and prose narrative. Reading of selected works of Brentano, Tieck, Novalis, Kleist and other representative Romantic authors.

Sophomore course. Prerequisite, German 107-108 or advanced placement credit in German literature. Open also to freshmen of high achievement who offer four years of secondary school German.

Hour K
Exam T

202 German Realism

A study of the development of nineteenth century German realism from Junges Deutschland through Poetic realism. Reading of representative lyric, dramatic, and narrative works of the period.

Sophomore course. Prerequisite, German 107-108 or advanced placement credit in German literature. Open also to freshmen of high achievement who offer four years of secondary school German.

Hour K
Exam T

203 Enlightenment and Storm and Stress (Offered 1960-61; not to be offered 1961-62.)

A study of the development of German literature from the mid-eighteenth century to Weimar Classicism. Reading and critical analysis of representative works of Herder, Lessing, the youthful Goethe and Schiller and others.

Sophomore course. Prerequisite, German 107-108.

Hour B
Exam P

204 Weimar Classicism (Offered 1960-61; not to be offered 1961-62.)

A study of the literary achievements and intentions of Goethe and Schiller and their
associates in Weimar between 1775 and 1832. Reading and analysis of selected works.

Sophomore course. Prerequisite, German 107-108.

Hour B
Exam P

[205 German Naturalism, Impressionism, and Expressionism (Not offered 1960-61; to be offered 1961-62.)

A study of German literary development from the rise of Naturalism to the post-war literature of the 1920's with special emphasis on the historical background of the period. Reading of representative works in the lyric, drama, and prose narrative.

Sophomore course. Prerequisite, German 107-108.

Hour Arr.
Exam Arr.

[206 Modern German Literature (Not offered 1960-61; to be offered 1961-62.)

A study of German literature from the late 1920's to the contemporary era. Reading of selected works of Kafka, Rilke, and other representatives of the period.

Sophomore course. Prerequisite, German 107-108.

Hour Arr.
Exam Arr.

401-402 Studies in German Literature

Study of the major trends in German literary development. The course has as its aim (1) an understanding of the basic concepts that dominate German literature and (2) the co-ordination and integration of the work done in the other departmental courses. The emphasis is on critical training; opportunity is given for independent investigation of special problems. Attention is given to the relation of German literature to other European literatures and to German philosophy.

Senior course. Required course in the major. Prerequisite, German 201, 202 or 203, 204.

Hour 1:30-3 Mon., Wed.
Exam Arr.

HONORS COURSES

H353 The Era of Poetic Realism (Offered 1960-61; not to be offered 1961-62.)

Comprehensive study of the literary development of Germany in the mid-nineteenth century in the lyric, prose narrative, and drama.

Honors course for juniors and seniors. Prerequisite, German 107-108.

Hour Arr.
Exam Arr.
German, Russian

H354 Studies in Modern German Literature (Offered 1960-61; not to be offered 1961-62.)
A study of topics dealing with the outstanding writers and literary movements of modern German literature through the First World War.
Honors course for juniors and seniors. Prerequisite, German 107-108.
Hour Arr.
Exam Arr.

[H355 The German Novel (Not offered 1960-61; to be offered 1961-62.)
A study of the German novel of psychological development, der Entwicklungsroman. Reading and analysis of outstanding works of that tradition.
Honors course for juniors and seniors. Prerequisite, German 107-108.
Hour Arr.
Exam Arr.

[H356 Studies in Eighteenth Century German Literature (Not offered 1960-61; to be offered 1961-62.)
An intensive study of major writers and trends in the Age of Enlightenment, Sturm und Drang, and Classicism.
Honors course for juniors and seniors. Prerequisite, German 107-108.
Hour Arr.
Exam Arr.

H451-452 Senior Honors Thesis
Individual study in the field of the candidate’s special interest, culminating in the honors thesis.
Prerequisite, two semester honors courses.

RUSSIAN (Div. I)

101-102 Elementary Russian
Grammar, oral use of the language, reading of graded prose.
The class meets three hours a week; but in addition, as part of their preparation, students are required to spend two half-hour periods every week in the Language Practice Laboratory. Laboratory fee, $3.50 a term.
Freshman course. Permission of department required.
Hours A, C, D
Exam G

MRS. DEKEYSERLINGK, FERSEN

- 110 -
103-104 Intermediate Russian

Continuation of Russian 101-102; grammar, oral and written use of the language. Reading of graded prose selections from Russian literature. Collateral reading of either literary or scientific graded texts.

The class meets three hours a week; but in addition, as part of their preparation, students are required to spend two half-hour periods every week in the Language Practice Laboratory. Laboratory fee, $3.50 a term.

Freshman course. Prerequisite, Russian 101-102 or admission Russian 2.

Hours J, L
Exam G

Fersen

105-106 Advanced Russian

Continuation of Russian 103-104; a further study of oral and written Russian based on classical and contemporary texts and contemporary speech.

The class meets three hours a week; but in addition, as part of their preparation, students are required to spend two half-hour periods every week in the Language Practice Laboratory. Laboratory fee, $3.50 a term.

Freshman course. Prerequisite, Russian 103-104 or admission Russian 3 or 4.

Hour A
Exam G

Mrs. de Keyserlingk

[201-202 Introduction to Russian Literature (Not offered 1960-61; to be offered 1961-62.)

Study and interpretation of representative works. Reading and written exercises. Collateral reading. Conducted in Russian as far as is feasible.

The class meets three hours a week; but in addition, as part of their preparation, students are required to spend two half-hour periods every week in the Language Practice Laboratory. Laboratory fee, $3.50 a term.

Sophomore course. Prerequisite, Russian 105-106.

Hour Arr.
Exam Arr.

Fersen]

GREEK (Div. I)

(For description of courses see under Classics)
HISTORY (Div. II)

Chairman, Professor R. C. L. Scott

President Baxter, Professor Harper, Professor Mansfield, Professor Scott, Professor Waite*, Associate Professor Rudolph**, Assistant Professor Bastert, Assistant Professor Eisen, Assistant Professor Sproat, Assistant Professor Stanton***, Assistant Professor Murphy, Assistant Professor Nauert, Assistant Professor Bahlman, Mr. Cassedy, Mr. Collins, Mr. Hyde, Mr. Harter†.

MAJOR PROGRAM

Sequence courses
History 101-102 (or 103-104) European Ideas and Institutions Since the Middle Ages
History 301-302 Studies in European History
History 401-402 Social Change: Types of Revolutionary and Evolutionary Transformation

Parallel courses
(a) History 201-202 The Development of American Democracy, 1763-1960, or History 203-204 Studies in American History, 1763-1960
(b) An additional year course or two semester courses in history

The aim of the major is primarily to give a student an understanding of the history of the world in which he lives. Two main fields of history, modern Europe and the United States, are covered in History 101-102 (103-104) and History 201-202 (203-204). In the junior sequence course attention is given to selected topics in English political development and in European thought, economic development, and politics. The interrelations of the various fields of history are constantly considered in the major, and similarities and contrasts are specifically emphasized in the final sequence course. The second parallel course may be used either to intensify or to broaden the student’s knowledge of history.

THE DEGREE WITH HONORS IN HISTORY

In the first term of their junior year, all honors candidates take an honors course (H351) which covers specific subject matter and also provides training in the methods of handling historical materials, framing valid judgments, and preparing papers. Upon completion of this course, honors students elect one of the three following programs leading to the degree with honors:

*On sabbatical leave 1959-60
**On leave second semester 1959-60
***On leave 1959-60
†Second semester 1959-60

- 112 -
(1) Two-year program, with three semesters of honors thesis

Junior year, first semester
History 301 Studies in European History
History H351 The Era of World War I

Junior year, second semester
History 302 Studies in European History
History H352 Junior Honors Course

Senior year, first semester
History 401 Social Change: Types of Revolutionary and Evolutionary Transformation
History H451 Senior Honors Thesis

Senior year, second semester
History 402 Social Change: Types of Revolutionary and Evolutionary Transformation
History H452 Senior Honors Thesis

(2) Two-year program of honors courses and thesis

Junior year, first semester
History 301 Studies in European History
History H351 The Era of World War I

Junior year, second semester
History 302 Studies in European History
Any honors course in history

Senior year, first semester
History 401 Social Change: Types of Revolutionary and Evolutionary Transformation
History H451 Senior Honors Thesis

Senior year, second semester
History 402 Social Change: Types of Revolutionary and Evolutionary Transformation
History H452 Senior Honors Thesis

(3) Two-year program of honors courses

Junior year, first semester
History 301 Studies in European History
History H351 The Era of World War I

Junior year, second semester
History 302 Studies in European History
Any honors course in history

Senior year, first semester
History 401 Social Change: Types of Revolutionary and Evolutionary Transformation
Any honors course in history
History

Senior year, second semester
History 402 Social Change: Types of Revolutionary and Evolutionary Transformation
Any honors course in history

NOTE: After the first semester of the junior year, one of the honors courses may, with the permission of the department, be taken in a field other than history.

Since all the students beginning honors work in history take the same honors course (H351) in the first term of their junior year, a decision by any student concerning the election of any one of these three programs leading to the degree with honors may be regarded as tentative until the completion of the course, H351.

Honors candidates following program (1) and those in program (3) in their senior year, may take any of the department's honors courses as one of their regular course electives.

To enable students with good academic records to gain increased flexibility in their course elections, the department of history will permit such students, with the consent of the department, to take only one semester of History 101-102 (103-104) and History 201-202 (203-204) or to take the semesters in reverse order.

101-102 European Ideas and Institutions Since the Middle Ages
A topical approach to the history of Europe from the Middle Ages to the present, based upon selected readings and the Yale University Select Problems in Historical Interpretation used as contemporary source material. The emphasis is on the history of ideas and institutions against a background of political history. A weekly lecture and discussions.

Freshman course.

Hours N Tu., Conferences A, C, D Wed., Fri.; J, L, M Th., Sat.

Exam F

Wait and Members of the Department

103-104 European Ideas and Institutions Since the Middle Ages: Advanced Conference Groups
These conference groups, in the first semester, are for students who have studied European history in school and for those who have had good academic records, and in the second semester as honors sections for students who have done work of a superior quality in History 101 or 103.

Students in these conference groups cover much of the material of History 101-102 but they also investigate problems and aspects of European history which go beyond the regular course work. The conference groups meet for hour and a half discussions twice a week. Informal evening meetings at intervals throughout the year. Attendance at the weekly History 101-102 lectures is optional.

Freshman course.

Hours 1-2:30 Mon., Wed.; 8:30-10 Tu., Th.; 2:30-4 Tu., Th.

Exam F

Wait, Eben, Murphy, Bahlman
History

201-202  The Development of American Democracy, 1763-1960

A study of American development, with emphasis on the growth of democratic institutions, the evolution from an agrarian to an industrial society, the relation of the United States with the world, and the emergence of the United States as a leading world power in the twentieth century.

The reading in the course consists principally of biographies, period studies, and documentary material.

Sophomore course. Prerequisite, History 101-102 or 103-104.

Hours  B, J
Exam  F

Bastert, Sproat, Stanton


These conference groups are honors sections for students whose work in History 101-102 and 103-104 has been of a superior quality.

Students in these conference groups cover some of the material of History 201-202 but they also study special aspects of American history. The conference groups meet for hour and a half discussions twice a week.

Sophomore course. Prerequisite, History 101-102 or 103-104.

Hours  1-2:30 Mon., Wed.; 10:30-12 Tu., Th.; 1-2:30 Tu., Th.
Exam  F

Rudolph, Bastert, Sproat

301-302  Studies in European History

First semester: English political development in the seventeenth century; science and society in Europe in the seventeenth and eighteenth centuries; the industrial revolution in Europe in the eighteenth and nineteenth centuries.

Second semester: A study of Western Europe since 1815: the evolution of democracy in England; the threats of democracy to France; the interaction of political and cultural traditions in both countries.

Junior course. Prerequisite, History 101-102 or 103-104. Note: Non-majors may take either semester of this course without the other.

Hours  B, K
Exam  R

Eisen, Nauert, Bahlman

[303  The Diplomatic History of Modern Europe (Not offered 1960-61; to be offered 1961-62.)

A survey of European international relations, 1648-1939, including such topics as the settlement at Westphalia, the primacy of France under Louis XIV, dynastic and colonial wars in the eighteenth century, rise of Napoleon, wars for national unity in Germany and Italy, the diplomacy of imperialism after 1870, rival alliances before
1914, the settlement following World War I, and international relations between two World Wars.

**Junior course.** Prerequisite, History 101-102 or 103-104.

**Hour** K  
**Exam** A

[304 *American Diplomatic History: from the Spanish American War to the Present* (Not offered 1960-61; to be offered 1961-62.)

A study of the background, responsibilities, and effects of the foreign policy of the United States as a world power. Special attention will be paid to American imperialism, its causes and decline; to the origins of the two World Wars and the peacemaking efforts which followed each war; to the relationship between diplomatic commitments and military and naval power; and to an assessment of the role of diplomacy and the diplomat in a democratic society.

**Junior course.** Prerequisite, History 201-202 or 203-204.

**Hour** C  
**Exam** B

305 *From Absolutism to Revolution, 1648-1789* (Offered 1960-61; not to be offered 1961-62.)

Absolutism, enlightened despotism, and the development of the state from the Peace of Westphalia to the eve of the French Revolution. The position of the bourgeoisie in eighteenth century society, the Age of Enlightenment, and the failure of the Old Regime in France.

**Junior course.** Prerequisite, History 101-102 or 103-104.

**Hour** C  
**Exam** N

307 *The Age of the Renaissance, 1250-1500* (Offered 1960-61; not to be offered 1961-62.)

The beginnings of secularization in European politics and culture. The decline of Empire and papacy, the rise of national monarchies in England and France, Italian city states, the art and literature of the Italian Renaissance, failure of efforts at church reform, the Renaissance as a problem in historical interpretation.

**Junior course.** Prerequisite, History 101-102 or 103-104.

**Hour** D  
**Exam** E

308 *The Age of the Reformation* (Offered 1960-61; not to be offered 1961-62.)

A study of the religious movements of the sixteenth and seventeenth centuries and
of the intellectual, political, and economic forces which accompanied them. The role played by these developments in laying the foundation of modern Europe.

**Junior course.** Prerequisite, History 101-102 or 103-104.

*Hour D*  
*Exam E*  

### 310 History of Modern Germany

(Offered 1960-61; not to be offered 1961-62.)

The main aspects of German life and thought are investigated with particular reference to four periods in German history: Bismarck's Empire, the Weimar Republic, Hitler's Reich, and postwar Germany. In each of these periods the social, intellectual, and political structure of Germany is analyzed in an effort to reach conclusions regarding the "German Problem".

Candidates for honor grades are given an opportunity to investigate some aspect of German history in which they are particularly interested.

*Junior course.** Prerequisite, History 101-102 or 103-104.

*Hour L*  
*Exam O*  

### 312 History of Modern Russia

(Not offered 1960-61; to be offered 1961-62.)

The historical development of Russia with emphasis on the period from the beginning of the nineteenth century to the establishment of the Soviet regime. The social and political structure of Czarist Russia. Intellectual currents. Imperial foreign policy. Reform and revolutionary movements. War and revolution.

Candidates for honor grades are given an opportunity to investigate some aspect of Russian history in which they are particularly interested.

*Junior course.** Prerequisite, History 101-102 or 103-104.

*Hour M*  
*Exam T*  

### 313 Nineteenth Century English Thought

(Not offered 1960-61; to be offered 1961-62.)

A historical study of the dominant ideas of England in the nineteenth century, with special emphasis upon the Darwinian controversy and its effect on social, political, and religious thought.

*Junior course.** Prerequisite, History 101-102 or 103-104.

*Hour M*  
*Exam T*
History

[314  The Making of Europe, 300-1250 (Not offered 1960-61; to be offered 1961-62.)

The fall of the Roman Empire in the West and the restoration of European political and economic life in the development of feudal and manorial institutions and the revival of trade. The rise of a distinctive European culture with the fusion of classical and Christian elements in medieval humanism and scholasticism.

Junior course. Prerequisite, History 101-102 or 103-104.
Hour L
Exam O

BAHLMAN]

315  American Social Thought and Action, 1750-1876

American social thought and action from the Revolutionary Era through the Civil War period: European and American background of late eighteenth century American thought and institutions, the decline of aristocracy and the rise of social democracy, the foundations of American liberalism and conservatism, radical thought and reform movements, changing religious developments, life and thought in the old South, impact of the Civil War.

Junior course. Prerequisite, History 201-202 or 203-204.
Hour K
Exam F

SCOTT

316  American Social Thought and Action, 1876-Present

American social thought and action from the period of the Gospel of Wealth to the present: the effects of industrialization upon basic American institutions, the development of a business “credo”, the growth of radical thought in economics, politics, and religion; the changing social structure, and the increasing power and influence of the State.

Junior course. Prerequisite, History 201-202 or 203-204.
Hour K
Exam F

SCOTT

[317  Studies in American Culture (Not offered 1960-61; to be offered 1961-62.)

An inquiry into the development and nature of American culture and character. Consideration of the role of the Western European tradition, economic abundance, immigration, and other factors in shaping American culture. Special attention to such topics as the concept of the gentleman, origins of religious denominationalism, the American college, the South as a regional culture, and the West as symbol and myth.

Junior course. Prerequisite, History 201-202 or 203-204.
Hour L
Exam O

RUDOLPH]
318 The Origins of American Society (Offered 1960-61; not to be offered 1961-62.)

An inquiry into the ideas and events in the first half of American history (1607-1783) that converted the transplanted Europeans into revolutionary Americans. Consideration of such topics as: the founding of the first British Empire; the transit of civilization from Europe to America; life and thought in the colonies; social and political struggles; the inter-colonial wars; problems of imperial rule; the several American revolutions.

Junior course. Prerequisite, History 201-202 or 203-204.

Hour C
Exam N

319 Studies in the History of American Education (Offered 1960-61; not to be offered 1961-62.)

Education as an aspect of American intellectual and social history. Emphasis on the development of the college and university.

Junior course. Prerequisite, History 201-202 or 203-204.

Hour C
Exam N

321-322 The History of Science

The history of the major advances in the physical and biological sciences from ancient times to Einsteinian physics, with emphasis on the relations of the sciences to each other, and the social consequences of scientific discoveries. Particular attention will be paid to those scientific discoveries and issues which have affected theology, philosophy, literature, and social and political theory.

Junior course. Prerequisite, History 101-102 or 103-104, and completion of Division III requirement.

Hour D
Exam E

323 Greek History (Not offered 1960-61; to be offered 1961-62.)

The political, social, economic, and cultural history of the Greek world from the Minoan period to the Roman conquest, with special emphasis on Fifth Century Athens and the Age of Alexander.

Lectures and discussion. Consultation of the ancient sources in translation.

Junior course. Prerequisite, History 101-102 or 103-104.

Hour M
Exam T
History

[324 Roman History (Not offered 1960-61; to be offered 1961-62.)

The Roman world from the earliest times through the reign of Diocletian, with special emphasis on the period from the Gracchi through the principate of Augustus. Lectures and discussion. Consultation of the ancient sources in translation.
Junior course. Prerequisite, History 101-102 or 103-104.
Hour M
Exam T

401-402 Social Change: Types of Revolutionary and Evolutionary Transformation

The purpose of this course is to consider the nature of historical change as illustrated by the two most striking ways in which man has consciously attempted to give direction to the process of change in society. During the first semester, revolutionary change will be studied, with the French Revolution and the Russian Revolution as examples. The second semester will be devoted to two twentieth century reform movements, that of the Liberal and Labour Parties in England and the New Deal in the United States. This course is also designed to coordinate European, English, and American History.

Senior course. Required course in the major. Prerequisites, History 201-202 (203-204) and 301-302.
Hours 1-2:30 Mon., Wed. (2 sections)
Exam R SCOTT, WAITE, EISEN

HONORS COURSES

H351 The Era of World War I

The society and politics of prewar Europe and America; the European origins of the war and the reasons for American entry into the war; the civil and military conduct of the war; the impact of the war upon the European and American economy, society, and mind; peace-making and immediate postwar problems. This course is required of all students beginning honors work in history, and it will include instruction and training in historical research and writing. Open only to history majors.

Junior honors course. Prerequisite, History 101-102 or 103-104.
Hour 1-3:00 Th.
Exam Arr. SCOTT, NAUERT

H352 Junior Honors Course

During the second semester of the junior year and during the senior year honors candidates following program (1) will work independently with a member of the department. The objective is the preparation of a senior thesis.
**H353  The Scientific Spirit in Nineteenth Century English Thought (Offered 1960-61; not to be offered 1961-62.)**

The impact of science, particularly the theories of evolution, on political and historical thinking in nineteenth century England; the English and continental roots of this development; the theological and sentimental opposition to science; the final compromise.

*Honors course for juniors and seniors.* Prerequisite, History 101-102 or 103-104.

*Hour* Arr.

*Exam* Arr.

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**H354  Germany in two Postwar Periods (Offered 1960-61; not to be offered 1961-62.)**

An intensive and comparative study of “The German Problem” during two periods of crisis in recent German history. An analysis of political, social, intellectual, and military forces at work following two World Wars: 1918-1933 and 1945-1953.

*Honors course for juniors and seniors.* Prerequisite, History 101-102 or 103-104.

*Hour* Arr.

*Exam* Arr.

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**H357  The Diplomacy of the New Deal and World War II, 1933-1945 (Offered 1960-61; not to be offered 1961-62.)**

An intensive study of the diplomacy of Franklin D. Roosevelt's administrations. Special attention will be paid to the following topics: Cordell Hull and the “Good Neighbor” policy; the waning of isolationism towards Europe; the collapse of American neutrality; the road to Pearl Harbor; diplomacy of World War II; preparations for peace; the beginnings of disillusionment with Russia.

*Honors course for juniors and seniors.* Prerequisite, History 201-202 or 203-204.

*Hour* Arr.

*Exam* Arr.

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**[H358 Studies in the History of American Education (Not offered 1960-61; to be offered 1961-62.)**

Individual research on topics in the history of American education, with emphasis upon higher education in the nineteenth and twentieth centuries.

*Honors course for juniors and seniors.* Prerequisite, History 201-202 or 203-204.

*Hour* Arr.

*Exam* Arr.
History

H360  The Old South, 1815-1865 (Offered 1960-61; not to be offered 1961-62.)
A study of the region known as the “Old South”: its economy, society, and thinking; the institution of slavery and the pro-slavery argument; the development of the South as a conscious minority; Southern leaders and “fire-eaters”; the secession movement; the rise and fall of the Confederate States of America.
Honors course for juniors and seniors.  Prerequisite, History 201-202 or 203-204.
Hour  1-3:00 Th.
Exam  Arr.  SCOTT

[H361  European Imperialism in Africa (Not offered 1960-61; to be offered 1961-62.)
A historical study of the partition of Africa in the nineteenth and twentieth centuries and of the effects of this partition on the diplomatic, political, and military position of the European powers.
Honors course for juniors and seniors.  Prerequisite, History 201-202 or 203-204.
Hour  Arr.
Exam  Arr.  COLLINS]

[H362  The Revolutionary Spirit in France and America, 1763-1800 (Not offered 1960-61; to be offered 1961-62.)
A study of the intellectual, diplomatic, and military relations between France and America in a revolutionary age.
Honors course for juniors and seniors.  Prerequisite, History 201-202 or 203-204.
Hour  Arr.
Exam  Arr.  MURPHY]

[H364  The Civil War and the New Nation (Not offered 1960-61; to be offered 1961-62.)
A study of the impact of the sectional conflict in both North and South, with emphasis upon the forces that produced a new American nationalism.
Honors course for juniors and seniors.  Prerequisite, History 201-202 or 203-204.
Hour  Arr.
Exam  Arr.  SPROAT]

H366  European Diplomacy and the Origins of the First World War (Offered 1960-61; not to be offered 1961-62.)
A historical study of European diplomacy leading to the outbreak of the First World War, with special emphasis on the period 1898-1914.
Honors course for juniors and seniors.  Prerequisite, History 101-102 or 103-104.
Hour  Arr.
Exam  Arr.  COLLINS

H451-452  Senior Honors Thesis
HISTORY AND LITERATURE (Div. II)

AMERICAN HISTORY AND LITERATURE

MAJOR PROGRAM

Sequence courses
History 201-202 The Development of American Democracy, 1763-1960, or
English 7, 8 American Literature
American History and Literature 401-402 Changing Factors in American Life
and Thought

Parallel courses
(a) History 315,316 American Social Thought and Action, 1750-1960
(b) Any two semesters of Art 307,308, 313; or
any two semesters of English 311,312, 313,314; or
History 301-302; or any two semesters of

The major aims to give students an understanding of American life, past and present. Through required courses in American history and American literature, and through electives in art, English literature, history, and philosophy, students are given an opportunity to study American civilization and to make all possible comparisons with other cultures. It is the function of the final sequence course to tie together various aspects of American life and thought.

THE DEGREE WITH HONORS IN AMERICAN HISTORY AND LITERATURE

In the first term of their junior year, all honors candidates take an honors course (H351) which covers specific subject matter and also provides training in the methods of handling materials, framing valid judgments, and preparing papers. Upon completion of this course, honors students elect one of the three following programs leading to the degree with honors.

(1) TWO-YEAR PROGRAM WITH THREE SEMESTERS OF THESIS COURSES

Junior year, first semester
English 307 American Literature
History 315 American Social Thought and Action, 1750-1876
American History and Literature H351 War and American Society

Junior year, second semester
English 308 American Literature
History 316 American Social Thought and Action, 1876-Present
American History and Literature H352 Junior Honors Course

Senior year, first semester
American History and Literature 401 Changing Factors in American
Life and Thought
American History and Literature H451 Senior Honors Thesis
American History and Literature

Senior year, second semester
American History and Literature 402 Changing Factors in American Life and Thought
American History and Literature H452 Senior Honors Thesis

(2) Two-year program of honors courses and thesis
Junior year, first semester
English 307 American Literature
History 315 American Social Thought and Action, 1750-1876
American History and Literature H351 War and American Society
Junior year, second semester
English 308 American Literature
History 316 American Social Thought and Action, 1876-Present
Any one of the History or American History and Literature honors courses
Senior year, first semester
American History and Literature 401 Changing Factors in American Life and Thought
American History and Literature H451 Senior Honors Thesis
Senior year, second semester
American History and Literature 402 Changing Factors in American Life and Thought
American History and Literature H452 Senior Honors Thesis

(3) Two-year program of honors courses
Junior year, first semester
English 307 American Literature
History 315 American Social Thought and Action, 1750-1876
American History and Literature H351 War and American Society
Junior year, second semester
English 308 American Literature
History 316 American Social Thought and Action, 1876-Present
Any one of the History or American History and Literature honors courses
Senior year, first semester
American History and Literature 401 Changing Factors in American Life and Thought
Any one of the History or American History and Literature honors courses
Senior year, second semester
American History and Literature 402 Changing Factors in American Life and Thought
Any one of the History or American History and Literature honors courses

NOTE: After the first semester of the junior year, one of the honors courses may, with the permission of the department, be taken in a field other than History or American History and Literature.

Since all the students beginning honors work in American History and Literature
take the same honors course (H351) in the first term of their junior year, a decision by any student concerning the election of any one of these three programs leading to the degree with honors may be regarded as tentative until the completion of the course, H351.

Honors candidates following program (1) and those in program (3) in their senior year, may take any of the department’s honors courses as one of their regular course electives.

**History 201-202** *The Development of American Democracy, 1763-1960*

*Sophomore course.* Prerequisite, History 101-102 or 103-104.

**Hours** B, J

**Exam** F

*Bastert, Sproat, Stanton*

**History 203-204** *Studies in American History, 1763-1960: Advanced Conference Groups*

*Sophomore course.* Prerequisite, History 101-102 or 103-104.

**Hours** 1-2:30 Mon., Wed.; 10:30-12 Tu., Th.; 1-2:30 Tu., Th.

**Exam** F

*Rudolph, Bastert, Sproat*

**English 307, 308** *American Literature*

Students whose primary interest is American literature and who intend to be candidates for the degree with honors in American History and Literature should take English 307 and 308 in sophomore year.

*Junior course.* Prerequisite, English 101-102.

**Hours** D, M

**Exam** C

*Gifford, Cantor, Woodson*

**History 315** *American Social Thought and Action, 1750-1876*

*Junior course.* Prerequisite, History 201-202 or 203-204.

**Hour** K

**Exam** F

*Scott*

**History 316** *American Social Thought and Action, 1876-Present*

*Junior course.* Prerequisite, History 201-202 or 203-204.

**Hour** K

**Exam** F

*Scott*

**Art 307** *American Art*

*Junior course.* Open to majors in American History and Literature without prerequisite.

**Hour** B

**Exam** I

*Pierson*
American History and Literature

Art 308  Modern Architecture
Junior course.  Prerequisite, Art 201-202 or Art 307.
Hour B
Exam I

[Art 313  Art in the Eighteenth Century
Junior course.  Prerequisite, Art 201-202.
Hour B
Exam I

English 311  Modern British and American Poetry
Junior course.  Prerequisite, English 101-102.
Hour L
Exam O

[English 312  Modern Drama
Junior course.  Prerequisite, English 101-102.
Hour L
Exam O

English 313  The English Novel: Richardson to Meredith
Junior course.  Prerequisite, English 101-102.
Hour B
Exam I

English 314  The English Novel: Hardy to the Present Day
Junior course.  Prerequisite, English 101-102.
Hour B
Exam I

History 301-302  Studies in European History
Junior course.  Prerequisite, History 101-102 or 103-104.
Hours B, K
Exam R

STODDARD
PIERSON
HUNT
O'NEILL
WILDE
STOCKING, WILDE
EISEN, NAUERT, BAHLMAN

- 126 -
American History and Literature

Philosophy 302 History of Modern Philosophy

Junior course. Prerequisite, Philosophy 201-202.

Hour C
Exam N

Philosophy 305 The Philosophy of History

Junior course. Prerequisite, Philosophy 201-202 and a course in history.

Hour B
Exam I

Philosophy 306 Philosophy of the State

Junior course. Prerequisite, Philosophy 201-202.

Hour B
Exam I

Philosophy 307 American Philosophy

Junior course. Prerequisite, Philosophy 201-202.

Hour D
Exam S

A. H. and L. 401-402 Changing Factors in American Life and Thought

A study of the genesis and development of values and conditions in twentieth century American life, stressing the changes in the national culture through successive historical periods up to the present. Selected contemporaneous essays, treatises, novels, and plays, which present the issues as they appear to the people at the time.

Senior course. Required course in the major. Prerequisites, History 201-202 (203-204) and English 307,308.

Hour 1-2:30 Mon., Wed.
Exam R

RUDOLPH, CANTOR

HONORS COURSES

A.H. and L. H351 War and American Society

The impact of war on American society as revealed in historical documents, the writings of prominent historians, and works of literature. Special attention to such topics as: the military mind, the common soldier, the phenomena of heroism and
American History and Literature

cowardice, the home front, the effect of war on various social groups. *This course is required of all students beginning honors work in American History and Literature, and it will include instruction and training in research and writing.* Open only to American History and Literature majors.

**Junior honors course.** Prerequisite, History 201-202 or 203-204.

**Hour** 1-3:00 Th.

**Exam** Arr.

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**A.H. and L. H352 Junior Honors Course**

During the second semester of the junior year and during the senior year honors candidates following program (1) will work independently with a member of the department. The objective is the preparation of a senior thesis.

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**A.H. and L. H353 American Views of Europe** (Not offered 1960-61.)

Studies in the cultural significance of Europe for Americans, as revealed in travel books, journals, letters, novels and plays about Americans abroad—with emphasis on changing values in different periods.

**Honors course for juniors and seniors.** Prerequisite, History 201-202 or 203-204.

**Hour** Arr.

**Exam** Arr.

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**A.H. and L. H357 The Development of American Nationalism, 1780-1850** (Offered 1960-61; not to be offered 1961-62.)

A study of the political and literary development of the concept of American nationalism, with emphasis upon the relationship of romanticism to nationalism.

**Honors course for juniors and seniors.** Prerequisite, History 201-202 or 203-204.

**Hour** 1-3:00 Tu.

**Exam** Arr.

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**History H358 Studies in the History of American Education** (Not offered 1960-61.)

Individual research on topics in the history of American education, with emphasis upon higher education in the nineteenth and twentieth centuries.

**Honors course for juniors and seniors.** Prerequisite, History 201-202 or 203-204.

**Hour** Arr.

**Exam** Arr.

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West College. Williams' first building, now a dormitory.
American History and Literature

[History H362  The Revolutionary Spirit in France and America, 1763-1800 (Not offered 1960-61; to be offered 1961-62.)
A study of the intellectual, diplomatic, and military relations between France and America in a revolutionary age.
Honors course for juniors and seniors. Prerequisite, History 201-202 or 203-204.
Hour Arr.
Exam Arr.  

[Murphy]

[A.H. and L. H355  Changing Interpretations of the American Past (Not offered 1960-61; to be offered 1961-62.)
Studies in the popular reassessment and re-evaluation of the American past as revealed in the American historical novel and other literary interpretations. Specific periods of American history will be chosen each year.
Honors course for juniors and seniors. Prerequisite, History 201-202 or 203-204.
Hour Arr.
Exam Arr.  

[Mansfield]

History H357  The Diplomacy of the New Deal and World War II, 1933-1945 (Offered 1960-61; not to be offered 1961-62.)
An intensive study of the diplomacy of Franklin D. Roosevelt's administrations. Special attention will be paid to the following topics: Cordell Hull and the "Good Neighbor" policy; the waning of isolationism towards Europe; collapse of American neutrality; the road to Pearl Harbor; diplomacy of World War II; preparations for peace; the beginnings of disillusionment with Russia.
Honors course for juniors and seniors. Prerequisite, History 201-202 or 203-204.
Hour Arr.
Exam Arr.  

[Bastert]

History H360  The Old South, 1815-1865 (Offered 1960-61; not to be offered 1961-62.)
A study of the region known as the "Old South", its economy, society, and thinking; the institution of slavery and the pro-slavery argument; the development of the South as a conscious minority; Southern leaders and "fire-eaters"; the secession movement; the rise and the fall of the Confederate States of America.
Honors course for juniors and seniors. Prerequisite, History 201-202 or 203-204.
Hour 1-3:00 Th.
Exam Arr.  

[Scott]

A.H. and L. H451-452  Senior Honors Thesis  

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Thompson Memorial Chapel.
ITALIAN (Div. I)
(For description of courses see under Romanic Languages)

LATIN (Div. I)
(For description of courses see under Classics)

MATHEMATICS (Div. III)
Chairman, Professor D. E. Richmond
Professor Richmond, Professor Jordan, Associate Professor Oliver, Associate Professor Spencer, Assistant Professor Kozelka, Assistant Professor Simmons.

MAJOR PROGRAM
Sequence courses
Mathematics 101 Introduction to the Calculus
Mathematics 102 Elementary Calculus
Mathematics 201 Calculus
Mathematics 202 Linear Algebra
Mathematics 301-302 Advanced Calculus
Mathematics 401-402 Advanced Differential Equations and Special Topics

Parallel courses
Mathematics 305-306 Introduction to Abstract Algebra, or
Mathematics 307-308 Topology

The departmental sequence gives the student an understanding of the principles and processes of the calculus and their applications to physical and geometric problems. A full year of either Mathematics 305-306 or 307-308 must be taken as a parallel course. The major aims to develop the student’s mathematical power and insight and to prepare him to appreciate the place of mathematics in the modern world.

THE DEGREE WITH HONORS IN MATHEMATICS
The candidate for this degree carries the departmental sequence and the parallel course. He undertakes one or two consecutive years of individual work suited to his interest and aptitude, under the direction of a member of the department. This work culminates in a senior thesis. The department is prepared to direct work in
Mathematics

actuarial mathematics, analysis, geometry, algebra, statistics, mathematical physics, and mathematical foundations. While the thesis need not contribute to the existing knowledge of mathematics, it will require the exercise of individual initiative.

This degree should be taken by students who intend to pursue graduate study in mathematics and others who are qualified.

101 Introduction to the Calculus

Functions, graphs, continuity. Derivatives and applications. Area and integration. Exponential and logarithmic functions.

Students who wish to receive division credit for this course must also elect Mathematics 102 or 104.

The department will designate one or two sections (depending on the number of qualified students) as special sections. These sections will be open to exceptionally able students and will treat the material in a more intensive manner and from a more mature point of view than in the regular sections. Admission is by invitation of the department, based upon the previous record of the student.

Freshman course.

Hours A, B, C, D, J, K, L, M
Exam H

102 Elementary Calculus

Continuation of Mathematics 101.

Complex numbers. Calculus of the trigonometric functions. Methods of integration.

Should be elected by those who are likely to major in mathematics or physics.

Freshman course. Prerequisite, Mathematics 101.

Hours A, B, C, K, M
Exam H

104 Introduction to Statistical Inference

Elementary theory of sets with applications to probability problems. Probability functions with emphasis on binomial and normal models. Inferences from models: statistical estimation and tests of hypotheses. Elementary bivariate analysis.

Designed for students with interests in the biological or social sciences.

Freshman course. Prerequisite, Mathematics 101.

Hours B, D, J, L
Exam H

Members of the Department
Mathematics

201 Calculus


Students who wish to receive division credit for this course must also elect Mathematics 202.

Sophomore course. Prerequisite, Mathematics 102.

Hours A, D, K, M

Exam D

202 Linear Algebra

Linear systems, vector spaces, matrices, and determinants.

Sophomore course. Prerequisite, Mathematics 201 or 104.

Hours A, D, K, M

Exam D

301-302 Advanced Calculus

More intensive study of topics introduced in Mathematics 201: differential equations, infinite series, partial differentiation, multiple integration.

Junior course. Prerequisite, Mathematics 201, 202.

Hours C, J

Exam N

Jordan, Simmons

401-402 Advanced Differential Equations and Special Topics


Senior course. Required course in the major. Single-credit course for non-mathematics majors. Double-credit course with supplementary meetings for mathematics majors. Prerequisite, Mathematics 301-302.

Hour B

Exam L

Richmond, Spencer

[303 Foundations of Mathematics (Not offered 1960-61.)]


Junior course. Prerequisite, Mathematics 201, 202.

Hour D

Exam E

- 132 -
305-306 Introduction to Abstract Algebra (Offered 1960-61; not to be offered 1961-62.)

Axiomatic development of the natural numbers, the integers, and the rational numbers. Integral domains, fields, rings, groups, vector spaces, matrices, determinants, linear equations.

Non-majors may take first semester of this course without the second.

Junior course. Prerequisite, Mathematics 201,202.

Hour L
Exam H

307-308 Topology (Not offered 1960-61; to be offered 1961-62.)


Non-majors may take first semester of this course without the second.

Junior course. Prerequisite, Mathematics 201,202.

Hour L
Exam H

Statistics 203 Intermediate Statistical Inference

Tests of statistical hypotheses, with emphasis on small-sample tests from normal populations: t-test, F-test, chi-squared. Contingency tables and other non-parametric tests. Introduction to utility theory. Applications directed towards the behavioral sciences.

Students who wish to receive division credit for this course must also elect Mathematics 202.

Sophomore course. Prerequisite, Mathematics 104.

Hour D
Exam E

HONORS COURSES

H351-352 Junior Honors Course

H451-452 Senior Honors Thesis
MUSIC (Div. I)

Chairman, Professor R. G. Barrow

Professor Barrow, Associate Professor Shainman, Assistant Professor Yellin, Assistant Professor Griswold.

MAJOR PROGRAM

Sequence courses
- Music 201-202 Fundamentals of Music
- Music 203-204 Elementary Harmony
- Music 401-402 Twentieth Century Music

Parallel courses
- The equivalent of four semesters chosen from
  - Music 301-302 Orchestral Music
  - Music 303-304 Intermediate and Advanced Harmony
  - Music 305 The Opera
  - Music 306 Chamber Music
  - Music 307 Keyboard Music
  - Music 308 The Music of Johann Sebastian Bach
  - Music 309 Music of the Middle Ages and the Renaissance
  - Music 310 Music from 1600 to 1820

A fee of $6.00 a year will be required for all students taking a course in music.

THE DEGREE WITH HONORS IN MUSIC

The degree with honors in music provides for a more intensive study in either of two areas: (a) history of music or (b) theory (i.e., composition). Candidates in both these areas are required to take independent study in the second semester of junior year as preparation for the honors work of the senior year.

In the senior year history candidates must submit a thesis; theory candidates a composition in one of the larger forms or a group of smaller works. In both cases the first semester of senior year is spent in preparation for the writing of the thesis or composition, under supervision of one or more members of the department, meeting twice weekly. The work of the second semester consists largely of the actual writing of the thesis or composition.

Candidates for the honors degree in theory must have completed Music 303-304 by the beginning of the senior year to be eligible.

201-202 Fundamentals of Music

Essentials of musical theory, including notation, scales, key signatures, and the principal elements of harmony and musical form. In the first semester the emphasis is placed on acquiring a command of these essentials sufficient to enable the student to carry on the historical study of music in the second semester. This historical sur-
vey covers very broadly the principal periods in the development of music: Medieval and Renaissance, baroque, classic, romantic, modern. No previous musical knowledge is required.

Three lectures, one conference a week. Conference sections: Tu., Wed.

Sophomore course.

Hour C
Exam N

Barrow, Greswold, Shainman

203-204 Elementary Harmony

A study of the basic principles of harmony, using major and minor triads and their inversions, non-chord tones, and the dominant 7th chord and its inversions. Extensive practice in the writing of original melodies; harmonization of basses and sopranos; analysis of pertinent examples from the works of various composers.

Sophomore course. Prerequisite, Music 201-202. With permission of the department, students having the requisite theoretical and keyboard knowledge, may take this course without prerequisite.

Hour L
Exam O

Barrow

301-302 Orchestral Music

A historical survey of music for orchestra from the seventeenth century to the present day, with particular attention given to the development of the symphony, the concerto, and the symphonic poem. Among the composers to be stressed will be Haydn, Mozart, Beethoven, Berlioz, Liszt, Brahms, Debussy, Richard Strauss, and Prokofiev. Emphasis on score reading and listening.

Junior course. Prerequisite, Music 201-202. Students may be permitted to take 301 without 302, but not 302 without 301.

Hour B
Exam I

Shainman

303-304 Intermediate and Advanced Harmony

An exploration of the chromatic harmony of the nineteenth century and its further development in the contemporary period. Emphasis upon analysis of representative works and the writing of simple pieces based upon the material studied.

Junior course. Prerequisite, Music 203-204.

Hour Arr.
Exam Arr.
Music

305 The Opera

The development of opera from 1600 to the present time, covering such masters as Monteverdi, Lully, Rameau, Scarlatti, Gluck, Mozart, and representative nineteenth and twentieth century composers. Emphasis on listening and research projects. Each year members of the course are invited to attend a rehearsal at the Metropolitan Opera House.

Junior course. Prerequisite, Music 201-202.
Hour K
Exam A

306 Chamber Music

A survey of all forms of chamber music (trio sonata, trio, quartet, etc.) from the seventeenth century to the present time. Emphasis on listening and independent research projects.

Junior course. Prerequisite, Music 201-202.
Hour K
Exam A

307 Keyboard Music

A survey of music written for the piano, organ, harpsichord, and clavichord from the fifteenth century to the present day. Particular emphasis on works of the Elizabethan period, Bach, Mozart, Beethoven, Schumann, Chopin, Brahms, Debussy, and Ravel. “Live” performance of many of the works discussed, rather than illustration by means of records.

Junior course. Prerequisite, Music 201-202.
Hour M
Exam T

308 The Music of Johann Sebastian Bach

A survey of Bach’s achievement in all the musical forms which he employed. The course will consider Bach’s musical output chronologically, with emphasis on such works as the Brandenburg Concerti, Mass in B minor, and the Goldberg Variations, and will conclude with an examination of Bach’s work in relation to the leading religious, philosophical, and literary figures of his era.

Junior course. Prerequisite, Music 201-202.
Hour M
Exam T
309  Music of the Middle Ages and the Renaissance

The history of western music to 1600. Studies of styles, forms, and composers of instrumental and vocal music, using the resources of the Chapin Library and illustrated by both live and recorded musical examples.

Junior course. Prerequisite, Music 201-202.

Hour D
Exam E

310  Music from 1600 to 1820

Studies in the development of musical techniques and forms from Gabrieli and Monteverdi to Beethoven and Schubert. Emphasis on the relationship and growth of national and cosmopolitan styles in Italy, France, Germany, and England during the baroque, rococo, and classic eras.

Junior course. Prerequisite, Music 201-202.

Hour D
Exam E

401-402  Twentieth Century Music

A historical survey of contemporary music. A consideration of both transitional and traditional composers at the turn of the century and representative masters of the present era. Emphasis upon analysis of various compositional techniques and materials of modern music.

Senior course. Prerequisites, Music 201-202, 203-204, and 301-302.

Hour Arr.
Exam Arr.

HONORS COURSES

H352  Junior Honors Course

Independent study in history or theory of music, under the supervision of a member of the department, as preparation for the senior honors thesis.

[H354  Senior Honors Course—Aspects of Contemporary Music in the United States (Not offered 1960-61.)

An examination of the basic techniques of contemporary music and their relation to present-day thought in the other arts. Special reference will be given to the position of the American composer in our time, standards of public taste, concert life, problems of publication and performance, and influence of the theatre.
Music, Philosophy

Not required of music honors candidates, but intended primarily for honors students from other departments.
Prerequisite, Music 201-202.

H451-452 Senior Honors Thesis
Required of all music honors candidates.
Prerequisite, Music H352.

PHILOSOPHY (Div. II)

Chairman, Professor L. W. Beals*
Acting Chairman, Assistant Professor G. E. Myers

Professor Miller, Professor Beals*, Visiting Professor Wegener, Assistant Professor Myers, Assistant Professor Versenyi.

MAJOR PROGRAM

Sequence courses
- Philosophy 201-202 Introduction to Philosophy
- Philosophy 301 History of Ancient and Medieval Philosophy
- Philosophy 302 History of Modern Philosophy
- Philosophy 401-402 Survey of Source Material in Philosophy

Parallel courses
Courses in philosophy equivalent to four semesters

The introductory course is chiefly directed toward the student who wishes a broad knowledge of what philosophy is about and some training in critical skill. In the major sequence, based upon this course, the emphasis is on the use of historical materials for the examination of current philosophical problems. Having, become acquainted with the doctrines of the leading systems and with their history the senior is fitted to deal with contemporary issues sympathetically and critically. The departmental electives are designed to aid in correlation with politics, science, or the arts, in that they aim to examine the basis of criticism or judgment in those fields.

*On sabbatical leave 1959-60
THE DEGREE WITH HONORS IN PHILOSOPHY

Philosophy majors who are accepted as candidates for the degree with honors take one of the two following programs:

1) **TWO-YEAR PROGRAM OF HONORS COURSES**

   *Junior year, first semester*
   - Philosophy 301 History of Ancient and Medieval Philosophy
   - Philosophy H353 The Philosophy of Plato

   *Junior year, second semester*
   - Philosophy 302 History of Modern Philosophy
   - Philosophy H354 Problems in Theories of Knowledge

   *Senior year, first semester*
   - Philosophy 401 Survey of Source Material in Philosophy
   - Philosophy H355 Philosophy in the Nineteenth Century

   *Senior year, second semester*
   - Philosophy 402 Survey of Source Material in Philosophy
   - Philosophy H356 Selected Problems and Trends in Contemporary Philosophy

2) **TWO-YEAR PROGRAM OF HONORS COURSES AND THESIS**

   *Junior year, first semester*
   - Philosophy 301 History of Ancient and Medieval Philosophy
   - Philosophy H353 The Philosophy of Plato

   *Junior year, second semester*
   - Philosophy 302 History of Modern Philosophy
   - Philosophy H354 Problems in Theories in Knowledge

   *Senior year, first and second semesters*
   - Philosophy 401-402 Survey of Source Material in Philosophy
   - Philosophy H451-452 Senior Honors Thesis

**201-202 Introduction to Philosophy**

A survey and description of persistent and typical philosophies; their content, the motives and considerations which explain their appearance and prevalence; their genetic relation to each other. Examples of such types are scepticism, pragmatism, materialism, mysticism. Elementary logic and ethics will be developed within appropriate types.

*Sophomore course.*

**Hours** L, M

**Exam** T

Members of the Department
Philosophy

301 History of Ancient and Medieval Philosophy
A study of major writers and tendencies in European philosophy and their influence in forming present outlooks. The pre-Socratics, Plato, Aristotle, Stoics, Scholastics.
Junior course. Prerequisite, Philosophy 201-202.
Hour C
Exam N

302 History of Modern Philosophy
Selected philosophers representing Rationalism, British Empiricism, German Idealism, and counter-idealistic developments of recent times.
Junior course. Prerequisite, Philosophy 201-202.
Hour C
Exam N

303 Logic
An inquiry into the nature, scope, and limits of logical demonstration. Among the techniques examined are the syllogism, symbolic logic, the theory of postulates, and the methods of science.
Junior course. Prerequisite, Philosophy 201-202 or permission of the instructor.
Hour K
Exam M

304 Ethics
Junior course. Prerequisite, Philosophy 201-202.
Hour D
Exam M

305 The Philosophy of History
History as a factor of experience compared with the a-historic; the problem of truth as a function of time; theories of historical causation,—theological, materialistic, psychological, etc.—as illustrated in various readings, Augustine, Hegel, Marx, Engels, Tolstoy, Croce, Spengler, Adams; the idea of progress; the hero and the makers of history; reason and unreason in history; the relation of politics and freedom to history.
Junior course. Prerequisites, Philosophy 201-202 and a course in history.
Hour B
Exam I
Philosophy

306 Philosophy of the State

This course aims to accomplish two things: (1) to consider selected historical views of the purpose of the state as found in the writings of some major philosophers of the Western World. (2) To discuss a number of philosophical problems arising in the context of or from the presuppositions of these historical positions.


*Junior course.* Prerequisite, Philosophy 201-202.

*Hour* B
*Exam* I

Beals

307 American Philosophy

Outstanding American philosophers, their connections with and departures from European intellectual traditions. Selected writings from Edwards, Paine, Emerson, Peirce, James, Royce, and Dewey.

*Junior course.* Prerequisite, Philosophy 201-202.

*Hour* D
*Exam* S

309 Contemporary Philosophy (Not offered 1960-61.)

A survey of current trends in philosophy. Special attention is given to the writings of Bradley, Bergson, Whitehead, Russell, Cassirer, Moore, Wittgenstein, and others.

*Junior course.* Prerequisite, Philosophy 201-202.

*Hour* L
*Exam* O

310 Topics in Contemporary Epistemology

A study of some main problems in philosophical psychology. Readings are from contemporary philosophers and concentrate upon topics connected with the concepts of mind, intentionality, existential psycho-analysis, etc. Special attention is paid to influence of recent scientific developments upon contemporary philosophies of mind.

*Junior course.* Prerequisite, Philosophy 201-202.

*Hour* L
*Exam* O

Myers

311 Aesthetics

Current topics in the philosophy of art, including the following: psycho-analytic theories, the role of emotion in aesthetic experience, the justifiability of value judg-
Philosophy

ments, the nature of metaphor and symbolism, and the unique features of artistic creation.

Junior course. Prerequisite, Philosophy 201-202.

Hour D
Exam S

401-402 Survey of Source Material in Philosophy

An application to the field of philosophy of the "great-books" idea; readings taken from printed departmental list of books prominent in forming and describing the philosophic outlook of the Western World; discussion and reports against the background of previous courses.

Senior course. Required course in the major. Prerequisite, Philosophy 301,302.

Hour 1-2:30 Mon., Wed.
Exam R

HONORS COURSES

H353 The Philosophy of Plato

An intensive study of the Dialogues.

Honors course for juniors and seniors. Prerequisite, Philosophy 201-202.

Hour Arr.
Exam Arr.

H354 Problems in Theory of Knowledge

An introductory study of problems traditionally associated with the philosophy of science. Readings selected mainly from contemporary publications.

Honors course for juniors and seniors. Prerequisite, Philosophy 201-202 (Philosophy 303 advised).

Hour Arr.
Exam Arr.

H355 Philosophy in the Nineteenth Century

Selected problems and authors from philosophical movements of the recent past. With a view to illuminating the immediate background of contemporary philosophy of science, politics, history, and religion, such representative philosophers as Hegel, Nietzsche, Bradley, Mill, Mach, and Meinong are studied.

Honors course for juniors and seniors. Prerequisite, Philosophy 201-202.

Hour Arr.
Exam Arr.
H356 Selected Problems and Trends in Contemporary Philosophy

Honors course for juniors and seniors. Prerequisite, Philosophy 201-202.
Hour Arr.
Exam Arr.

H451-452 Senior Honors Thesis

Independent study under the supervision of a member of the department. The objective is the preparation and writing of a senior thesis.

PHYSICAL EDUCATION

Chairman, Associate Professor J. E. Bullock

Associate Professor Bullock, Assistant Professor Muir, Assistant Professor Chaffee, Assistant Professor Plansky, Assistant Professor Coombs, Assistant Professor Watters, Assistant Professor Shaw, Assistant Professor Townsend, Assistant Professor Navarro, Assistant Professor DeLisser, Assistant Professor McCormack, Assistant Professor McHenry, Mr. Altott.

Physical education is required for freshmen and sophomores. This requirement may be met by participating in intercollegiate athletics on freshman or varsity teams or by participating in class activities where instruction is given in the several branches of athletics and gymnastics.

Class activities for the different seasons consist of:

Fall: Tennis, golf, touch football, Outing Club activities.

Winter: Wrestling, swimming, basketball, gymnastics, squash, volleyball, skiing, tumbling.

Spring: Softball, tennis, golf, Outing Club activities.

All classes, three forty-five minute periods a week.
PHYSICS (Div. III)

Chairman, Professor F. H. Crawford

Professor Crawford, Professor Winch, Professor Stabler, Associate Professor Park, Assistant Professor Iben, Assistant Professor F. Brown; Part-time Visiting Instructors: Mr. Kirkpatrick, Mr. Brandt; Assistants: Mr. Byerly, Mr. Doucette, Mr. Severance, Mr. Reifenstein.

MAJOR PROGRAM

Sequence courses
Physics 103-104 General Physics (or Physics 101-102)
Physics 301-302 Physical Optics, Atomic and Nuclear Physics
Physics 401,404 Thermodynamics and Topics in Atomic Physics

Parallel courses
(a) Physics 201-202 Electricity and Magnetism
(b) Physics 303 Statics and Dynamics
     Physics 304 Dynamics
     Physics 305-306 Electronics

Because of the stringent prerequisites in both mathematics and physics all students planning a physics major should register as follows:

Freshman year
Physics 103-104 (or 101-102)
Mathematics 101,102

Sophomore year
Physics 201-202
Mathematics 201,202

Mathematics 101,102 must be taken prior to or concurrently with Physics 103-104 and is a prerequisite for all higher physics courses. Mathematics 201,202 is a prerequisite for Physics 303,304 and must be taken simultaneously with (or before) Physics 201-202 and Physics 301-302. Departure from the above order will necessitate very careful planning with the registering officer of the department, particularly for those who wish to become candidates for the degree with honors.

The major is designed for the student who enjoys experimental work and through it wishes to gain a firsthand knowledge of physics and its bearing on the industrial and technical world in which he lives. The coordination of the many special subjects in physics and their correlation with the related sciences offers a liberal scientific education and a useful background in law and business.
THE DEGREE WITH HONORS IN PHYSICS

The degree with honors should be taken by students who intend to pursue graduate work in physics or engineering and by those who wish to supply a maximum of the initiative in their own intellectual advancement.

Students majoring in physics who are eligible and wish to become candidates for the degree with honors will normally do so by electing the following courses:

**Junior year**
- Physics 301, H352 Physical Optics, Atomic and Nuclear Physics
- Physics 305, H356 Electronics
- Mathematics 301-302

**Senior year**
- Physics 401,404 Thermodynamics and Topics in Atomic Physics
- Physics H453, H454 Introduction to Theoretical Mechanics and Methods of Theoretical Physics

Under special circumstances a student may be given permission to elect Physics H451-452 in the senior year (in place of H453, H454). This course involves individual study in a particular field, is usually concerned with some advanced experimental problem, and culminates in a thesis.

101-102  *Elements of Physics*

An introduction to the basic principles of physics, developed with particular emphasis on the scientific method and its historical development.

Lectures and conferences, three hours a week; one two-hour laboratory period a week. *Fee, $5 a term.*

*Freshman course.*

**Hour**  M  Lab. sections: Mon., Tu., Wed., Th., Fri.  
**Exam**  R  

CRAWFORD, F. BROWN, IBEN

103-104  *General Physics*

Mechanics, heat, sound, electricity, magnetism, and light. Intended for those who have secured good grades in admission physics. Should be elected by all eligible students who are likely to major in any of the physical sciences or to go on into professional study in engineering or pure science.

Lectures and conferences, three hours a week; one two-hour laboratory period a week. (Students who have completed with distinction a substantial Physical Science Study Committee course in school, and who satisfy the department of their ability and general preparation, will be given independent assignments and special laboratory projects.) *Fee, $5 a term.*
**Physics**

*Freshman course.* Prerequisite, admission credit in physics. Students taking Physics 103-104 must also take Mathematics 101,102, or must have taken, previously, equivalent study of calculus.

*Hour A* Lab. sections: Mon., Tu., Wed., Th., Fri.

*Exam R*

Stabler, Park, Brandt

201-202 *Electricity and Magnetism*

Kirchhoff's laws applied to direct current networks and to instantaneous and root mean square solutions of alternating current networks. Complex number methods. Alternating and direct current meters.

Electrostatics, potential, dielectrics, magnetic fields of currents, magnetic force on moving charges, induced emf's ferromagnetic materials, the magnetic circuit and transformers.

The laboratory emphasizes standard methods of electrical measurement as well as experiments which supplement class discussion.

Lectures, conferences, and problems; a three-hour laboratory period each week.

*Fee, $5 a term.*

*Sophomore course.* Prerequisites, Physics 101-102 or 103-104 and Mathematics 101, 102. Students electing this course must have taken or be taking Mathematics 201, 202.

*Hour M* Lab. sections: Mon., Tu., Wed., Th.

*Exam R*

Winch

301-302 *Physical Optics, Atomic and Nuclear Physics*

Material selected from the following topics: the wave nature of light as shown by interference, diffraction, and polarization; the electron, discharge through gases, simple quantum phenomena, photoelectricity, Bohr's atom-model, periodic system of the elements, isotopes, radioactivity, X-rays, cosmic rays, the nucleus, nuclear energy.

Lectures, conferences, and problems; a three-hour laboratory period each week.

*Fee, $5 a term.*

*Junior course.* Prerequisites, Physics 101-102 or 103-104 and Mathematics 101,102. Students electing this course must have taken or be taking Physics 201-202 and Mathematics 201,202.

*Hour B* Lab. sections: Mon., Tu., Wed.

*Exam I*

Winch

303 *Statics and Dynamics*

Topics include the static equilibrium of a rigid body, simple harmonic motion,
projectile motion in a uniform field, two-body collisions, and the motion of a rigid body in a plane.

**Junior course.** Required on the Combined Plan in most branches of engineering. Prerequisites, Physics 103-104 (101-102) and Mathematics 201,202.

**Hour** K  
**Exam** A  

**304 Dynamics (Not offered 1960-61; to be offered 1961-62.)**

The motion of a body under the action of a central force, rigid body motion in two and three dimensions with emphasis on the top, oscillations about dynamic equilibrium, and the propagation of waves in mechanical structures with many degrees of freedom.

**Junior course.** Prerequisites, Physics 103-104 (101-102) and Mathematics 201,202. Credit will not be given for both Physics 304 and Physics H453.

**Hour** K  
**Exam** A  

**305-306 Electronics**

Characteristics of high vacuum and gaseous electron tubes and solid state devices. Electronic circuits useful for measurement and control in a number of fields. Basic design of audio frequency and radio frequency amplifiers.

Three class hours a week, lectures and problems; one four-hour laboratory every other week. Fee, $7.50 a term.

**Junior course.** Prerequisite, students electing this course must have taken or be taking Physics 201-202.

**Hour** D  
**Lab. sections:** Wed., Th.  
**Exam** E  

**401 Thermodynamics**

This course is devoted to a careful development of the first and second laws of thermodynamics. Topics treated are: thermometry and the temperature scale, calorimetry, the concept of state variables and degrees of freedom, Joule’s experiments and the First Law with applications to specific heat, evaporation and chemical reactions; various statements of the Second Law, entropy and probability.

Lectures with problems and discussion. The seminar meeting will be devoted to reports by class members on material important to coordinating the major.

**Senior course.** Required course in the major. Prerequisite, consent of the department.

**Hour** Lecture: 2:30-4 Mon., Fri., Seminar: 2-4:00 Wed.  
**Exam** R
Physics

402 Thermodynamics and Statistical Mechanics (Not offered 1960-61; to be offered 1961-62.)

Analytic methods in thermodynamics, heat engines and power cycles, single phase and two phase systems, kinetic theory, introduction to statistical mechanics and relation to thermodynamics, with applications.

The seminar meeting will be devoted to reports and discussions of material important to coordinating the major.

Senior course. Required course in the major. Prerequisite, Physics 401.

Hour Lecture: 2:30-4 Mon., Fri., Seminar: 2:4:00 Wed.

Exam

CRAWFORD]

404 Topics in Atomic Physics

This course is divided into two parts. Part 1 relates the thermodynamics of Physics 401 to the atomic theory of matter via statistical mechanics; Part 2 discusses external and internal properties of atomic nuclei.

The seminar meeting will be devoted to reports and discussions of material important to coordinating the major.

Senior course. Required course in the major. Prerequisite, Physics 401.

Hour Lecture: 2:30-4 Mon., Fri., Seminar: 2-4:00 Wed.

Exam

PARK

HONORS COURSES

H352 Atomic and Nuclear Physics

The growth of quantum theory, including a discussion of black-body radiation, the Bohr-Rutherford atom, and elementary wave mechanics; the quantum mechanics and spectroscopy of one- and two-electron atoms; the discovery and detection of nuclear particles; elementary theory of nuclear structure and of alpha, beta, and gamma decay; nuclear reactions and stellar energy production.

One four-hour laboratory period each week, while partly shared with Physics 302, is primarily devoted to a special experimental project for each class member. Students are expected to take a maximum amount of the initiative in readings, problems, and papers. Fee, $5.

Junior honors course. Open only to candidates for the degree with honors and required of honors candidates in physics. Credit will not be granted for both this course and Physics 302. Prerequisites, Physics 103-104 (101-102) and Mathematics 101,102. Physics majors electing this course must have taken or be taking Physics 201-202 and Mathematics 201,202. Honors candidates from other departments may be granted permission to replace the Physics 201-202 requirement by some other pertinent qualification.

Hour B Lab. sections: Mon., Tu., Wed.

Exam I

I BEN
*H356. Electronics*

The honors students in this course have combined class meetings with Physics 306 but are assigned special laboratory projects. These projects are related to topics also being studied in Physics H352 and may be concerned with specialized amplifiers, pulse counting, coincidence, and discrimination circuits, timing methods, waveform generators, or solid state properties. At least four hours of laboratory activity every other week are required and there are occasional conferences.

Three class hours a week, lectures, and problems. Fee, $7.50 a term.

*Junior honors course.* Prerequisite, Physics 305. Required of honors candidates in physics.

*Hour* D  Lab. sections: Wed., Th.

*Exam* E

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*H451-452 Senior Honors Thesis*

Individual study in a field chosen by the candidate with the advice and consent of his thesis director. Usually an advanced experimental problem is undertaken and, in any event, the study culminates in a thesis. Honors candidates will be permitted to elect H451-452 in place of H453, H454 only under unusual circumstances where this course is the best choice in the light of the candidate's future plans.

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*H453 Introduction to Theoretical Mechanics*

Topics selected from: classical dynamics of particles and rigid bodies, free and forced vibrations, special relativity, the Lagrangian formulation and Hamilton's equations.

*Senior honors course.* Open only to candidates for the degree with honors and required of honors candidates in physics. Credit will not be granted both for this course and Physics 304. Prerequisite, Physics H352 (or consent of the department) and Mathematics 201,202. Students electing this course must have taken or be taking Mathematics 301,302.

*Hour* M

*Exam* T

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*H454 Methods of Theoretical Physics*

The study of the partial differential equations of mathematical physics as unifying description of diverse physical phenomena. The principal emphasis will be on the equations of electromagnetism and the quantum theory.

*Senior honors course.* Open only to candidates for the degree with honors and required of honors candidates in physics. Prerequisite, Physics H453 or, in special cases of honors candidates from other majors, consent of the department.

*Hour* M

*Exam* T
Physics

GRADUATE COURSES

501 Electromagnetic Theory (Offered 1960-61; not to be offered 1961-62.)

Electric and magnetic fields in vacuo and in solids; mathematical methods in potential theory. Maxwell’s equations and their integration; introduction to relativistic electrodynamics. Motion of electrons in an electromagnetic field.

Prerequisites, Mathematics 301,302 and Physics 201-202.

Hour J
Exam M

F. BROWN

502 Electromagnetic Waves (Offered 1960-61; not to be offered 1961-62.)

The propagation of electromagnetic waves through media. Wave transmission in insulators and conductors, anomalous dispersion in gases, reflection and refraction at boundaries. Theory of transmission lines and waveguides, basic microwave circuit elements. Theory and measurement of dielectric and magnetic properties of materials, with emphasis on interpretation in terms of fundamental processes.

Prerequisite, Physics 501.

Hour J
Exam M

503 Quantum Mechanics (Not offered 1960-61; to be offered 1961-62.)

Introduction to quantum mechanics, with elementary applications in fields such as spectroscopy, chemical forces, and the photoelectric effect.

Prerequisites, Physics 301-302 or Physics 301, H352 and Mathematics 301,302.

Hour J
Exam M

504 Nuclear Physics (Not offered 1960-61; to be offered 1961-62.)

A discussion of a number of phases of nuclear theory and experiment, chosen partly so as to advance and apply the ideas formulated in Physics 503. Topics to be discussed will include the composition and stability of nuclei, radioactivity and disintegration, the nature and properties of nuclear forces, and the elementary particles.

Prerequisite, Physics 503.

Hour J
Exam M
505 Advanced Electronic Circuits (Offered 1960-61; not to be offered 1961-62.)

Pulse and digital techniques, switching and control devices, special wave form

generators, applications of semi-conductors.

Prerequisite, Physics 305-306 or 305, H356.

Hour 7:30-9 p.m. Mon., Wed.

Exam Arr. Stabler

506 Theoretical Mechanics (Not offered 1960-61; to be offered 1961-62.)

A discussion of the basic principles of classical mechanics, with particular regard
to questions of physical formulation and mathematical method. Topics will be
chosen from among the following: the Lagrangian formulation, variational prin­
ciples, Hamilton's equations, Hamilton-Jacobi theory, kinetics and dynamics of rigid
bodies, fluid mechanics, kinetic theory of gases, and relativity.

Prerequisites, Mathematics 301-302 and Physics 304 or Physics H453.

Hour J

Exam M

507 Solid State Physics—I (Not offered 1960-61; to be offered 1961-62.)

The structure of solids and cohesive forces; energy levels for electrons in solids and
the electron distribution at thermal equilibrium; the electron distribution in electric
and magnetic fields; conductivity and Hall effect; thermofoce.

Prerequisite, students taking this course should have taken or be taking Physics 503.

Hour Arr.

Exam Arr.

508 Solid State Physics—II (Not offered 1960-61; to be offered 1961-62.)

The physics of semi-conductors: photoconductivity p-n junctions, rectification and
transistor effects, electroluminescence.

Prerequisite, Physics 507.

Hour Arr.

Exam Arr.

510 Statistical Physics (Offered 1960-61; not to be offered 1961-62.)

An introduction to the physics of systems containing large numbers of particles.

Brief discussion of the methods of classical theoretical mechanics. Formulation of the

principles of statistical mechanics in terms of the ensemble theory of Gibbs and Ein-
Physics, Political Economy

stein. Applications to kinetic theory, fluctuations, irreversible thermodynamics, and transport theory.

Prerequisites, Mathematics 301-302 and Physics 304 or Physics H453.

Hour 7:30-9 p.m. Mon., Wed.
Exam Arr.

Colloquium

In association with the departments of mathematics and chemistry, the staff meets weekly for the discussion of articles appearing in the current journals and the presentation of papers of a similar research nature. Students are permitted to attend these meetings and honors degree students occasionally participate by reporting on their thesis activities.

Hour 4-5:30 Mon.

POLITICAL ECONOMY (Div. II)

MAJOR PROGRAM

Sequence courses
Political Science 101-102 American and European Politics
Political Science 104 Comparative Politics
Economics 101-102 General Economics
Political Science 201 International Relations and World Politics
Economics 301 (303) Money, Income, and Growth
Political Economy 401-402 Basic Problems and Policies in Political Economy

Parallel courses
(a) Political Science 302 Political Thought
   Economics 310 Economic Development—Problems and Policies
(b) One semester course in political science and
   one semester course in economics

The major combines substantial separate training in both political science and economics with a senior course, taught jointly by members of the two cooperating departments, in which both disciplines are brought to bear on a range of contemporary public policy issues. It is intended to help the student to surmount the sometimes artificial barriers of specialization that tend to characterize either subject taken alone. The major is designed to give those who plan to go into business or the law a grasp of
the environment, both governmental and economic, within which they will have to operate; to give those who will eventually enter the public service a broad understanding of the significance of economic forces as conditioning factors in governmental policy; and to give those who plan to continue in academic work an opportunity to make this vital relationship the background if not the focus of their more advanced studies.

THE DEGREE WITH HONORS IN POLITICAL ECONOMY

Students majoring in political economy who plan to become candidates for the degree with honors may elect one of the following programs:

(1) **TWO-YEAR PROGRAM OF HONORS COURSES**

   Required sequence and (a) parallel courses and four honors courses from among those offered in political science, economics, and political economy, of which at least one shall be in political science and one in economics

(2) **TWO-YEAR PROGRAM OF HONORS COURSES AND THESIS**

   Required sequence and (a) parallel courses and any two honors courses from among those offered in political science, economics, and political economy

   Political Economy H451-452 Senior Honors Thesis

*Political Science 101-102 American and European Politics*

*First semester:* Government and politics of the United States. Institutional structure is examined as a reflection of the social and economic system. The policy formation process is emphasized and some significant current problems are considered in detail.

*Second semester:* Democracy and dictatorship: a comparative study of European politics. Parliamentary democracies are compared with dictatorships, communist and fascist. Theories of government are related to their respective institutional forms. Discussion, assigned reading, and reports.

*Freshman course.*

*Hours* A, B, C, J, K, M

*Exam* J

*Political Science 104 Comparative Politics*

This is an honors section of Political Science 102 for students whose previous work has been of superior quality.

*Freshman course.*

*Hour* B

*Exam* J

*Members of the Department*

M. Brown

- 153 -
Political Economy

Economics 101-102 General Economics
Study of the principles of economics and their application in analyzing and understanding the contemporary economic environment. Includes such topics as the corporation, markets and the price-making process, the farm problem, the distribution of income, the causes of depression and inflation, commercial banking and the Federal Reserve System, fiscal policy and national debt, and foreign trade.
Freshman course.
Hours A, B, C, D, J, K, L
Exam B

Political Science 201 International Relations and World Politics
A survey of the origins, forms, and forces of the Western State System, covering the conduct and practice of diplomacy, the structure and scope of international law, and the development and importance of international organization in modern world politics.
Sophomore course. Prerequisite, Political Science 101-102 (104).
Hour L
Exam O

Economics 301 Money, Income, and Growth
The determinants of national income, employment, price level, and rate of growth in the economic system. Includes analysis of consumption and saving, factors affecting private investment, the growth process, prosperity and depression, the role of the banking system, interactions between money and national income, some implications for public policy.
Junior course. Prerequisite, Economics 101-102.
Hours A, C
Exam N

Power, Weckstein

Economics 303 Money, Income, and Growth
This is an honors section of Economics 301 for students whose previous work in economics has been of superior quality.
Junior course. Prerequisite, Economics 101-102.
Hour K
Exam A

Despres

Political Science 302 Political Thought
An inquiry into the evolution and character of modern democratic liberalism. The problem of a modern liberal theory is discussed in the light of challenge and criticism.
Political Economy

by such theorists as Hegel, Marx, Freud, Lenin, and Michels. The contribution of pluralism to the contemporary understanding of a liberal society is examined in detail.

Junior course. Prerequisite, Political Science 101-102 (104).

Hours AB Mon., Wed., CD Mon., Wed., B, D
Exam J

Simpson, Gaudino, Renshenbrink

Economics 310 Economic Development—Problems and Policies

Economic analysis as applied to growth problems of underdeveloped countries in Asia, Africa, and Latin America. Cultural and institutional barriers; the mobilization of savings and investment to break the circle of poverty; problems arising from specialization in raw material production; and relationship to foreign economic policies of the United States and to international efforts to foster a more rapid rate of growth. Studies of individual countries.

Junior course. Prerequisite, Economics 101-102.

Hour D
Exam E

Weckstein

401-402 Basic Problems and Policies in Political Economy

An examination of selected problems of public policy which emphasize the interrelationships between government and politics on the one hand and economics on the other. The first semester will be concerned with the freedom vs. planning debate and selected issues of domestic public policy. On the basis of library research and interviews in Washington, D. C., with legislators, government officials, and others, student committees prepare reports on timely public policy issues and defend their analysis and recommendations in public meetings. In the second semester, which emphasizes problems involving international economic and political relationships, students write individual papers analyzing current policy problems.

Senior course. Required course in the major. Prerequisites, Political Science 201, 302 and Economics 301 (303), 310.

Hour 1:30-3 Tu., Th.
Exam A

First semester: Barnett, Gates
Second semester: Schuman, Power

HONORS COURSES

H363 Area Honors Course—Middle East

A study of the political and economic problems of the Middle East, stressing the relationship of economic problems and policies to political developments in the area and particularly to changing political institutions. Special consideration of the im-
Political Economy, Political Science

Impact of this relationship and these changes on the shape of U. S. foreign policy and on the East-West contest for strength in less developed areas.

Honors course for juniors and seniors. Prerequisites, Political Science 101-102 (104) and Economics 101-102.

Hour Arr.
Exam Arr.

H364 Area Honors Course—Africa

A study of the political and economic problems of Africa, stressing the relationship of economic problems and policies to political developments in the area and particularly to changing political institutions. Special consideration of the impact of this relationship and these changes on the shape of U. S. foreign policy and on the East-West contest for strength in less developed areas.

Honors course for juniors and seniors. Prerequisites, Political Science 101-102 (104) and Economics 101-102.

Hour Arr.
Exam Arr.

H451-452 Senior Honors Thesis

Members of the Political Science and Economics Departments

POLITICAL SCIENCE (Div. II)

Chairman, Professor V. M. Barnett, Jr.*
Acting Chairman, Professor J. M. Burns**

Professor Schuman, Professor Barnett*, Professor Burns**, Associate Professor Greene, Associate Professor Hastings, Assistant Professor Simpson**, Assistant Professor M. Brown, Assistant Professor Rensensbrink, Assistant Professor Gaudino, Lecturer Reagan, Mr. Ilchman.

MAJOR PROGRAM

Sequence courses
Political Science 101-102 American and European Politics
Political Science 104 Comparative Politics
Political Science 301-302 Political Thought
Political Science 401-402 Political Problems

*On leave 1959-60
**On leave second semester 1959-60
Parallel courses

(a) Political Science 201-202 International Relations and World Politics
(b) A year course or two semester courses in political science

The required courses in the departmental sequence deal broadly with comparative government and political theory, leading to a study of major problems in politics. The parallel courses are concerned with public opinion, public administration, constitutional development, political parties, and international relations; the student must take Political Science 201-202 but may choose any other course at his option. The major examination presupposes knowledge of the sequence and the parallel courses elected and ability to apply their content to the interpretation of political situations.

THE DEGREE WITH HONORS IN POLITICAL SCIENCE

Political science majors who are accepted as candidates for the degree with honors may elect one of the following programs:

(1) **TWO-YEAR PROGRAM OF HONORS COURSES**
   Required sequence courses
   Four honors courses in political science

(2) **TWO-YEAR PROGRAM OF HONORS COURSES AND THESIS**
   Required sequence courses
   Two honors courses in political science and
   Political Science H451-452 Senior Honors Thesis

If a candidate elects to take four honors courses, he may choose freely among those offered except that he will be expected to take one in the general field of domestic politics and one in the general field of international relations and comparative governments. He may take an honors course in a related field if accepted by the department in advance, but he may receive credit for no more than one such outside course.

In exceptional circumstances, with special permission of the department, a candidate may register for independent reading and research in connection with the undertaking of an honors thesis to be completed prior to the senior year.

101-102 American and European Politics

*First semester:* Government and politics of the United States. Institutional structure is examined as a reflection of the social and economic system. The policy formation process is emphasized and some significant current problems are considered in detail.

*Second semester:* Democracy and dictatorship: a comparative study of European politics. Parliamentary democracies are compared with dictatorships, communist and fascist. Theories of government are related to their respective institutional forms.
Political Science

Discussion, assigned reading, and reports. With the permission of the department, juniors and seniors may elect either semester separately.

Freshman course.

Hours  A, B, C, J, K, M
Exam  J

MEMBERS OF THE DEPARTMENT

104 Comparative Politics

A small seminar course for those students who have previously studied some aspects of European politics or have demonstrated exceptional capabilities in Political Science 101. The material covered parallels that in Political Science 102, but is designed to go beyond the normal introductory level. The case study approach is used in connection with the survey of each of the countries studied.

Admission by nomination of the instructors in Political Science 101.

Freshman course.

Hour  B
Exam  J

Brown

201-202 International Relations and World Politics

First semester: A survey of the origins, forms, and forces of the Western State System, covering the conduct and practice of diplomacy, the structure and scope of international law, and the development and importance of international organization in modern world politics.

Second semester: An analysis of the contemporary problems of the Western State System, stressing the concept of power politics and the balance of power, the impact of nationalism and imperialism, the conduct of the foreign policies of the major powers, the struggle for peace, and the causes of war.

Sophomore course. Prerequisite, Political Science 101-102 (104).

Hour  L
Exam  O

Schuman, Greene, Simpson

301-302 Political Thought

First semester: The development of the Western tradition from Plato to the French Revolution. A critical study of the major systems of political thought which form the background of modern social theory; basic ideal society-types and recurring ideas of the nature and relation of man, society, and state are studied in crucial writers such as Aristotle, Augustine, Machiavelli, Hobbes, and others.

Second semester: An inquiry into the evolution and character of modern democratic liberalism. The problem of a modern liberal theory is discussed in the light of challenge and criticism by such theorists as Hegel, Marx, Freud, Lenin, and Michels.
The contribution of pluralism to the contemporary understanding of a liberal society is examined in detail.

*Junior course. Prerequisite, Political Science 101-102 (104).*

**Hours**    AB Mon., Wed., CD Mon., Wed., B, D

**Exam**     J

SIMPSON, GAUDINO, RENSENBRINK

307  **Public Administration**

A study of public administration centered in the Federal Government's executive-administrative departments and special agencies. Special emphasis is placed upon the constitutional sources, the principles of organization and the need for reorganization in the light of such principles, the functions performed by administration, the relations of administration to democracy, and the development of an American administrative law.

Lectures, discussions, reports.

*Junior course. Prerequisite, Political Science 101-102 (104).*

**Hour**     C

**Exam**     N

ILCHMAN

309  **American Voting Behavior (Offered 1960-61; not to be offered 1961-62.)**

A systematic study of the voting behavior of the American electorate. Among the topics to be examined are: campaign events, group memberships, foreign and domestic political issues, the selection of candidates, and patterns of political motives and attitudes. Special consideration is given to voting behavior studies conducted since 1940, including the Elmo Roper surveys for *Fortune* magazine.

*Junior course. Prerequisite, Political Science 101-102 (104) or Psychology 101-102.*

**Hour**     K

**Exam**     A

HASTINGS

310  **Public Opinion and Pressure Groups (Offered 1960-61; not to be offered 1961-62.)**

A study of the nature and development of public opinion in America. An examination of the individual dynamics and social patterning of opinion. Particular emphasis is placed upon the mass media of communication, and various interest groups such as the American Medical Association, the American Legion, the National Association of Manufacturers, and organized labor as they affect the formation and change of public opinion. Some consideration is given to various techniques used in measuring opinion.

*Junior course. Prerequisite, Political Science 101-102 (104) or Psychology 101-102.*

**Hour**     K

**Exam**     A

HASTINGS
Political Science

311 Man and Society

An examination of current approaches toward political and social analysis with particular attention to the contributions of semantics, personality study, and physical and cultural anthropology to the analysis of social attitudes and conduct in modern societies.

Junior course. Prerequisite, Political Science 101-102 (104).
Hour J
Exam M

[312 Recent American Constitutional Problems (Not offered 1960-61; to be offered 1961-62.)

A study of recent constitutional decisions arising out of the problems of federalism, the separation of powers, and individual civil and political liberty. Attention is given to constitutional decisions affecting the conduct of American foreign relations, the interaction of domestic forces and constitutional decisions, and the personnel of the Supreme Court in recent decades.

Junior course. Prerequisite, Political Science 101-102 (104).
Hour M
Exam T

313 The Far East

A study of the recent political developments in the Far East. Major emphasis is placed on Japan under American occupation and after, the political revolution in China and its consequences, and developments in contemporary India. This area is then examined with special reference to American-Russian rivalry.

Junior course. Prerequisite, Political Science 101-102 (104).
Hour C
Exam N

[314 Contemporary Problems in U. S. Foreign Policy Making (Not offered 1960-61; to be offered 1961-62.)

An analysis of the formulation and practice of American foreign policy in the post-war period, with emphasis on its relation to the domestic political process. A study of the interplay of party and group politics, public opinion and foreign affairs. An examination of the constitutional relationship and relative powers of the President and Congress in the field of foreign policy. An evaluation of American policy in the Cold War in the light of the theories and concepts of international relations.

Junior course. Prerequisite, Political Science 101-102 (104).
Hour C
Exam N

- 160 -
315 American Parties and Politics (Not offered 1960-61; to be offered 1961-62.)

Political parties, their role in democracy, and the nature of the party system in relation to other social and political processes, including economic and social trends, interest groups, political leaders and leadership. Trends in party organization, principles, and leadership. Practical politics: the art of campaigning and vote-getting. Field studies of politicians and political districts. The major problem is the concentration and diffusion of political power in a mixed economy and a diverse society.

Junior course. Prerequisite, Political Science 101-102 (104).

Hour D
Exam Q

Burns

316 Presidential Leadership and the Legislative Process

A study of the policy-making process in American government, with special emphasis on executive-legislative relationships, the nature and functioning of the legislative process, the respective roles of Congress and the President, and the focus of responsibility for public policy in modern American democracy. Case studies in policy-making. Lectures, reading, and class discussions.

Junior course. Prerequisite, Political Science 101-102 (104).

Hour D
Exam Q

M. Brown

318 Soviet Union

An intensive study of the history, government, social institutions, and diplomacy of the U.S.S.R.: The Russian Revolution; the politics and economics of Soviet Communism in theory and practice, in comparison with Democracy and Fascism; Constitution and Government of the Soviet Union, with special attention to federalism, nationalism, economic planning, and the Communist Party; the transition from "world revolution" to "socialism in one country"; Soviet foreign policy before, during, and since World War II; current issues of Anglo-Soviet and American-Soviet relations: the role and prospects of the U.S.S.R. in the world of tomorrow.

Junior course. Prerequisite, Political Science 101-102 (104).

Hour J
Exam M

Schuman

401-402 Political Problems

First semester: Political problems of Europe: comparative government and international relations. A study of the major European governments. The domestic problems and policies of each state are studied in relation to institutional, economic, and ideological factors. Emphasis is placed on the new international position of this area with reference to individual national policies.
Second semester: Politics and policy-making: The United States. A seminar study of decision-making in domestic politics and government. An attempt is made to correlate the student's knowledge of institutions and processes of American politics, including the administrative, legislative, and judicial processes, public opinion, voting behavior, group and party politics. Emphasis is on the analysis of specific policy issues.

Senior course. Required course in the major. Prerequisite, Political Science 301-302.

Hour 1-2:30 Tu., Th. (Evening meetings arr.)
Exam R

HONORS COURSES

[H353 American Political Behavior (Not offered 1960-61; to be offered 1961-62.)

Drawing upon concepts and data from a variety of disciplines, including political science, social psychology, and sociology, this course examines the roots of political power, with special emphasis on the voting decision, as a cardinal aspect of political behavior. Subjects covered include the development of political attitudes and public opinion, propaganda, political parties, group influences, class and area approaches to political behavior. Members of the course may have the opportunity either to make use of the Elmo Roper Public Opinion Collection, or to engage in limited field projects.

Honors course for juniors and seniors. Prerequisite, Political Science 101-102 (104) or Psychology 210-212.

Hour Arr.
Exam Arr.

[H354 American National Security Policy

A study of American efforts to attain national security in the period since 1945. Emphasis is placed upon the relationship of this problem to American diplomacy, the development of military technology and the problems of strategy, and the political consideration of feasibility in policy-making.

Honors course for juniors and seniors. Prerequisite, permission of instructor.

Hour Arr.
Exam Arr.

[H355 American Political Theory (Not offered 1960-61; to be offered 1961-62.)

A close examination of major phases of American political thought since the Revolution. Thinkers studied include both intellectuals and practitioners in politics and other areas, with special emphasis on Supreme Court opinions as embodying some of the most significant political and social thought in this country. Among the topics
considered are: the manner in which ideas are converted into practical political debate; the relation of political ideas to public opinion; and the nature of the liberal and conservative political traditions in the United States.

Honors course for juniors and seniors. Prerequisite, Political Science 101-102 (104) or History 201-202 (203-204).

Hour Arr.
Exam Arr.

Rensenbrink]

[H356 Problems of Presidential and Congressional Policy-making (Not offered 1960-61; to be offered 1961-62.)

The politics of American national legislative and executive policy decisions. The impact of the Constitution and political tradition, political parties, organizational patterns, procedural rules, interest groups, public opinion, and personality, and other factors. Case studies, memoirs, and major interpretive readings.

Honors course for juniors and seniors. Prerequisite, Political Science 101-102 (104).

Hour Arr.
Exam Arr.

M. Brown]

[H358 Modern Problems in American Constitutional Law (Offered 1960-61; not to be offered 1961-62.)

A study of selected problems in modern constitutional law, based on case readings, commentaries, secondary materials, and judicial biography. Emphasis is placed on modern and current problems and on the role of the judiciary as an aspect of the study of political behavior. Among the selected areas are: the "inherent" powers of the presidency, civil and religious rights, equal protection of the laws; the control of subversion, loyalty and security procedures, congressional powers of investigation.

Honors course for juniors and seniors. Prerequisite, Political Science 101-102 (104) or History 201-202 (203-204).

Hour Arr.
Exam Arr.

Simpson]

[H361 Method in the Study of Politics and the Scope of Contemporary Research

A consideration of the major issues raised by the assumptions of modern social science, with discussion of alternative approaches to the study of man and political society.

Honors course for juniors and seniors. Prerequisite, Political Science 101-102 (104).

Hour Arr.
Exam Arr.

Gaudino]
Political Science

Political Economy H363 Area Honors Course—Middle East

A study of the political and economic problems of a selected foreign area, such as the Middle East, stressing the relationship of economic problems and policies to political developments in the area and particularly to changing political institutions. Special consideration of the impact of this relationship and these changes on the shape of the U. S. foreign policy, and on the East-West contest for strength in less developed areas.

Honors course for juniors and seniors. Prerequisites, Political Science 101-102 (104) and Economics 101-102.

Hour Arr.
Exam Arr.

[H364 International Organization (Not offered 1960-61; to be offered 1961-62.)

An intensive and concrete inquiry into various aspects and problems of the efforts of twentieth century mankind to establish order, in place of anarchy, in the global community of nations. Attention is given to selected aspects of the structure and functioning of the League of Nations and the United Nations Organization, along with “functionalist” and regional approaches to international organization. Various movements, both public and private, looking toward world government are studied. Consideration is given to the status and prospects of the Free World and the Communist bloc as potential nuclei of a Universal State, or World Government.

Honors course for juniors and seniors. Prerequisite, Political Science 201-202.

Hour Arr.
Exam Arr.

H365 Political Theory of Liberal Democracy

An examination of liberal-democratic thought and practice as reflected in the writings of contemporary apologists in Western Europe, England, and the United States. A critical evaluation of the efforts made by these writers to adjust, re-interpret, and articulate liberal-democratic teachings about man and society under conditions of universal suffrage, progressive technology, religious skepticism, and revolutionary attacks emanating from totalitarian right and left.

Honors course for juniors and seniors. Prerequisite, Political Science 101-102 (104) or History 101-102 (103-104) or by permission of the instructor.

Hour Arr.
Exam Arr.

H451-452 Senior Honors Thesis
PSYCHOLOGY (Div. II)

Chairman, Professor A. F. Jenness

Professor Jenness, Associate Professor Rouse, Associate Professor Hastings, Mr. Katz.

MAJOR PROGRAM

Sequence courses
- Psychology 201-202 General Psychology
- Psychology 303-304 Experimental and Quantitative Methods in Psychology
- Psychology 401-402 Psychological Theory

Parallel Courses
- (a) Psychology 301 Psychology of Personality
- Psychology 302 Psychology of Abnormal Behavior
- (b) Psychology 305 Introductory Social Psychology
- Psychology 306 Special Topics in Social Psychology

The introductory course is designed to acquaint the student with psychological methods, data, and theory in order to further his understanding of human nature in everyday life and in a program of liberal education. The major sequence and parallel courses introduce the student to the more specialized study of human behavior, either as part of a general education or as preparation for graduate and professional study in psychology.

THE DEGREE WITH HONORS IN PSYCHOLOGY

Ordinarily, for students who take Psychology 201-202 in the sophomore year, honors work in psychology is offered to seniors only, except that juniors who have been accepted as candidates for the degree with honors may register for Psychology H355 when it is offered and thus complete three semesters of honors work. However, eligible juniors who have taken Psychology 201-202 in the freshman year and Psychology 301,302 in the sophomore year or have otherwise demonstrated readiness for such work may enter Psychology H352 and thus complete three or four semesters of honors work.

(1) One-year or three semester program with thesis

Junior year, first semester
- Psychology 301 Psychology of Personality
- Psychology 303 Experimental and Quantitative Methods in Psychology
- Psychology H355 American Political Behavior, or
- Psychology 305 Introductory Social Psychology
Psychology

Junior year, second semester
Psychology 302 Psychology of Abnormal Behavior
Psychology 304 Experimental and Quantitative Methods in Psychology
Psychology 306 Special Topics in Social Psychology

Senior year, first and second semesters
Psychology 401-402 Psychological Theory
Psychology H451-452 Senior Honors Thesis

(2) Two-year or three semester program of honors courses and thesis

Junior year, first semester
Psychology 303 Experimental and Quantitative Methods in Psychology
Psychology H355 American Political Behavior, or
Psychology 305 Introductory Social Psychology

Junior year, second semester
Psychology 304 Experimental and Quantitative Methods in Psychology
Psychology H352 Junior Honors Course

Senior year, first and second semesters
Psychology 401-402 Psychological Theory
Psychology H451-452 Senior Honors Thesis

201-202 General Psychology
Fundamental principles of human behavior with emphasis upon mental activities.
Motivation, feeling and emotion, maturation and development, sensation and perception,
imagination, learning and memory, thinking, intelligence, aptitudes and interests,
individual differences, personality, psychoanalytic concepts, introduction to social and institutional behavior.

Sophomore course.
Hours C, D
Exam E

301 Psychology of Personality
Various approaches to the study of personality and its development: analytical,
typological, and whole methods. Common and unique traits; expressive behavior;
character, attitudes, and values; appetites and aversions. Theories of motivation;
biological and social determinants of personality; economic and cultural circumstances
affecting personality. Inferences and conclusions from ratings, tests, observations,
and personal documents.

Junior course. Prerequisite, Psychology 201-202.
Hour Arr.
Exam Arr.
302 Psychology of Abnormal Behavior

An attempt to understand human behavior through a study of its exaggerations and deficiencies. Biological and social origins of behavior pathology in childhood and adolescence; need, frustration, conflict; basic adjustment techniques; suggestion and hypnosis; abnormalities of intelligence, perception, memory, thought, and role-taking; psychological aspects of neurotic and psychotic disorders and their therapy. Visits to psychiatric hospitals and special schools will be arranged.

Junior course. Prerequisite, Psychology 301, or Psychology 201-202 and permission of the instructor.

Hour Arr.  
Exam Arr.

303-304 Experimental and Quantitative Methods in Psychology

Thinking, motivation, emotion, learning, memory, sensation, perception, and aptitude testing. Research methods in these areas. Introduction to techniques of collecting, treating statistically, and interpreting psychological data. Every student conducts an individual research project selected according to his degree of skill in statistical and other research techniques.

Lectures, laboratory or practicum, field trips, six hours a week. Fee, $5 a term.

Junior course. Prerequisite, Psychology 201-202.

Hour B and NOP Th.  
Exam P  

Rouse, McGill

305 Introductory Social Psychology

An introduction to the study of the behavior of the individual in society. The socialization process is critically examined in light of the contributions of academic psychology, cultural anthropology, sociology, and Freudian and neo-Freudian theory. Special consideration is given to such topics as the meaning of the concept of groups, group structure and function, and the nature and development of group leadership. At least one field trip to the Berkshire Industrial Farm.

Junior course. Prerequisite, Psychology 201-202.

Hour C  
Exam N  

Hastings

306 Special Topics in Social Psychology

A systematic examination of such topics as the development, change, and measurement of attitudes; social class structure; public opinion and propaganda; social movements. Introduction to various applied problems such as techniques for controlling minority group prejudice; consumer research; human relations in business and industry. The facilities of the Roper Public Opinion Research Center are available
Psychology

for those electing to engage in field projects in such areas as attitude and opinion measurement.

**Junior course.** Prerequisite, Psychology 201-202.

**Hour C**

**Exam N**

**401-402 Psychological Theory**

The aim of this course is to coordinate, integrate, and advance the student's knowledge of psychology through (1) a survey of the practical applications of psychological principles and techniques, emphasizing the contributions of applied psychologists to basic theory in psychology, (2) a critical examination of theories of sensation, perception, learning, memory, and emotion and of the various points of view in the systematic interpretation of psychological data and social phenomena.

**Senior course.** Required course in the major. Prerequisites, Psychology 301,302 and 303-304.

**Hour EF Mon., Wed.**

**Exam R**

**HONORS COURSES**

**H352 Junior Honors Course**

Individual or group study under the guidance of members of the department, designed to introduce the student to the literature of one or more of the special fields of psychology. After selecting a problem for investigation, the student plans a research project to be carried out early in the senior year.

**Junior course.** Prerequisites, Psychology 201-202 and an additional year course in psychology or its equivalent.

**Hour Arr.**

**Exam Arr.**

**Members of the Department**

[H353 American Political Behavior (Not offered 1960-61; to be offered 1961-62.)]

Drawing upon concepts and data from a variety of disciplines, including political science, social psychology, and sociology, this course examines the roots of political power, with special emphasis on the voting decision, as a cardinal aspect of political behavior. Subjects covered include the development of political attitudes and public opinion, propaganda, political parties, group influences, class and area approaches to political behavior. Members of the course may have the opportunity either to make use of the Elmo Roper Public Opinions Collection, or to engage in limited field projects.

**Honors course for juniors and seniors.** Prerequisite, Political Science 101-102 (104) or Psychology 201-202.

**Hour Arr.**

**Exam Arr.**

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**Senior Honors Thesis**

Independent study and research under the guidance of one or more members of the department. After exploring the literature of a relatively specialized field of psychology, ordinarily the student will design and execute a minor research project, the results of which will be reported in a thesis. In exceptional cases, the thesis may consist of a critical survey of the literature bearing on a special topic in psychology. Prerequisite, Psychology 303-304.

**Public Speaking (Div. I)**

Chairman, Professor G. G. Connelly

**Speech, Debate, and Discussion**

First semester: A practical course in speech composition and delivery to develop the student’s ability to speak directly and effectively.

Second semester: The study of evidence, methods of analysis and argument, fallacies, and cross-examination. Debate, discussion and argument of current controversial questions and well-known legal cases.

Junior course.

Hours: B, D, K, M
Exam: S

**Religion (Div. II)**

Chairman, Professor W. G. Cole

Professor Cole, Assistant Professor Chandler, Assistant Professor DeBoer, Mrs. Cole.

**Introduction to Religion**

A historical survey of the main ideas and institutions of Judaism and Christianity in the Western World, and also of primitive religion and selected Oriental religions. Discussion of basic religious ideas designed to help the student formulate his own views. Lectures, assigned reading, and a weekly conference hour.

Sophomore course.

Hour: L
Exam: O

Members of the Department
Religion

301 Philosophy of Religion
A study of the main types of religious philosophy in the Western World. Readings in selected religious philosophers, such as Aquinas, Hume, Bergson, and Dewey.
Junior course. Prerequisite, Psychology 201-202 or Philosophy 201-202.
Hour B
Exam P

302 Philosophy of Religion
Contemporary problems of religious thought such as the nature of God, man, and the relation of faith to reason. Readings in contemporary philosophers representing significant and different viewpoints.
Junior course. Prerequisite, Psychology 201-202 or Philosophy 201-202.
Hour B
Exam P

303 Literature and Religion of the Bible
A historical survey of the main types of literature and religion of the biblical Hebrews. The Old Testament.
Junior course. Prerequisite, English 101-102.
Hour C
Exam N

304 Literature and Religion of the Bible
A historical survey of the main types of literature and religion of the biblical Hebrews. The New Testament.
Junior course. Prerequisite, English 101-102.
Hour C
Exam N

305 Religious Thought of the Hellenistic World
A survey of the religious thought of the Hellenistic world, both Greek and Jewish, designed to elucidate the origins of Christianity. Selected readings from such writers as Plato, Philo, Plutarch, and Plotinus.
Junior course. Prerequisite, Religion 201-202 or Philosophy 201-202 or Classical Civilization 101-102.
Hour K
Exam A
306 Psychology of Religion

Religion as interpreted by modern psychology. Both academic psychology and depth psychology are considered.

_Junior course._ Prerequisite, Psychology 201-202 or Religion 201-202.

_Hour K_

_Exam A_

DeBoer

307 Religion and Social Ethics

A historical and critical survey of the relation of religion to social morality in the Western World. Various ethical traditions and periods of history are studied through representative persons and documents.

_Junior course._ Prerequisite, Religion 201-202 or Philosophy 201-202 or History 101-102 (103-104).

_Hour D_

_Exam O_

Chandler

308 Religion and Social Ethics

The types of ethical thought developed in Religion 307 are applied to such problem areas of contemporary society as (1) race and racism, (2) sex and family ethics, (3) economic ethics, (4) political ethics, (5) international ethics. These and other similar problems are studied by the reading and analysis of such documents as Myrdal’s _American Dilemma_, various papal encyclicals, and statements of other religious bodies.

_Junior course._ Prerequisite, Religion 201-202 or Philosophy 201-202 or History 101-102 (103-104).

_Hour D_

_Exam O_

Chandler

309 The History of Christianity: Ancient and Medieval Christianity

A study of the main currents of thought and action in Christianity from its beginning to the late Middle Ages.

_Junior course._ Prerequisite, History 101-102 (103-104).

_Hour M_

_Exam T_

Harned

310 The History of Christianity: Reformation and Modern Christianity

A study of the main currents of thought and action in Christianity from the Reformation to the present time.

_Junior course._ Prerequisite, History 101-102 (103-104).

_Hour M_

_Exam T_

Harned
Religion, Romanic Languages

311 American Religious Thought: Colonial Period to 1850

A study, through the writings of representative thinkers, of such movements of thought as Puritanism, Evangelical Revivalism, Rationalism, Unitarianism, and Transcendentalism.

Junior course. Prerequisite, Religion 201-202 or History 201-202 (203-204).

Hour B
Exam I

312 American Religious Thought: 1850 to the Present

A study, through the writings of representative thinkers, of such movements of thought as nineteenth century Liberalism, the Social Gospel, the Modernist-Fundamentalist controversy, Neoorthodoxy and Ecumenical Theology.

Junior course. Prerequisite, Religion 201-202 or History 201-202 (203-204).

Hour B
Exam I

ROMANIC LANGUAGES (Div. I)

Chairman, Professor A. G. deLahiguera*

Acting Chairman, Associate Professor A. C. Piper

Professor Grant*, Professor deLahiguera*, Associate Professor Piper, Associate Professor Savacoool, Assistant Professor Sachs, Assistant Professor Pérez, Assistant Professor Brachfeld, Assistant Professor Hafter, Mr. Marshall, Mrs. Hirsche.

*On leave 1959-60
FRENCH (Div. I)

MAJOR PROGRAM

Sequence courses
French 107-108 General Introduction to French Literature
French 201-202 French Literature of the Nineteenth Century
French 401-402 Studies in French Literature

Parallel courses
French 301-302 French Literature of the Seventeenth and Eighteenth Centuries
An additional year course in French

The three courses in the departmental sequence and the parallel courses in French carry the student through French literature of the sixteenth, seventeenth, eighteenth, and nineteenth centuries, as well as the contemporary period. It is upon these courses that the major examination is based. It is the aim of the major, by tracing the different literary movements through the centuries, to show the development of French culture and civilization and their contribution to the world of literature.

THE DEGREE WITH HONORS IN FRENCH

Eligible students majoring in French who plan to become candidates for the degree with honors may do so by electing one of the four following programs:

(1) Two-year program of honors courses

Junior year, first semester
French 301 French Literature of the Seventeenth Century
One honors course in French

Junior year, second semester
French 302 French Literature of the Eighteenth Century
One honors course in French

Senior year, first semester
French 401 French Literature of the Middle Ages and the Renaissance
One honors course in French

Senior year, second semester
French 402 Studies in French Literature since 1600
One honors course in French

(2) Two-year program of honors courses and thesis

Junior year, first semester
French 301 French Literature of the Seventeenth Century
One honors course in French

Junior year, second semester
French 302 French Literature of the Eighteenth Century
One honors course in French
**French**

**Senior year, first and second semesters**
- French 401-402 Studies in French Literature
- French H451-452 Senior Honors Thesis

**(3) Two-year program of independent study culminating in an honors thesis**

**Junior year, first and second semesters**
- French 301-302 French Literature of the Seventeenth and Eighteenth Centuries
- French H351-352 Junior Honors Course

**Senior year, first and second semesters**
- French 401-402 Studies in French Literature
- French H451-452 Senior Honors Thesis

**(4) One-year program of independent study culminating in a thesis** (for students entering the honors program at the beginning of the senior year)

**Junior year, first and second semesters**
- French 301-302 French Literature of the Seventeenth and Eighteenth Centuries

One other course in French
- French 105-106 Advanced French,
- French 303-304 The French Novel Since 1900, or
- French 305-306 Symbolist Poetry and Modern Theatre

**Senior year, first and second semesters**
- French 401-402 Studies in French Literature
- French H451-452 Senior Honors Thesis

**LANGUAGE COURSES**

**101-102 Elementary French**

Grammar and composition, reading modern French, special training in conversational French; dictation.

This course is conducted by the intensive oral method. The class meets three hours a week; but in addition, as part of their preparation, students are required to spend two half-hour periods every week in the Language Practice Laboratory. Laboratory fee, $3.50 a term.

*Freshman course.*

**Hours** J, K

**Exam** M

**103-104 Intermediate French**

Continuation of French 101-102, with stress on the spoken language and extensive reading of modern prose.
The class meets three hours a week with the exception of one section, known as a corrective section, which meets five times a week. Students are placed in the corrective section on the basis of their past record or on the recommendation of their instructor; they are returned to a regular section when, in the judgment of the instructor, they no longer need the additional class instruction.

As part of their preparation, students of all sections are required to spend two half-hour periods every week in the Language Practice Laboratory. Laboratorv fee, $3.50 a term.

Freshman course. Prerequisite, French 101-102 or admission French 2.
Hours A, D, L
Exam C

105-106 Advanced French

The purpose of this course is to give intensive training in the spoken and written language. Material dealing with French life and customs will form the basis for composition and conversation. Conducted in French.

As part of their preparation, students are required to spend two half-hour periods every week in the Language Practice Laboratory. Laboratorv fee, $3.50 a term.

Freshman course. Prerequisite, French 103-104 or admission French 3.
Hours B, M
Exam C

LITERATURE COURSES

107-108 General Introduction to French Literature

Study and interpretation of representative works from the classical period to modern times. Lectures, reading, and written exercises. Conducted in French as far as is feasible.

Freshman course. Prerequisite, French 103-104 or admission French 3 or 4.
Hours C, K, M
Exam C

201-202 French Literature of the Nineteenth Century

A study of the novel, drama, and poetry of the century. The first semester includes such authors as Chateaubriand, Lamartine, Victor Hugo, Balzac, and Stendhal; the second semester, Flaubert, Baudelaire, Dumas (fils), Augier, Becque, Rostand, Zola, and Verlaine. Conducted in French. Lectures, readings, written reports.

Sophomore course. Prerequisite, French 107-108 or permission of the department. With the permission of the department, the first semester may be taken as a separate course, but the second semester may not be taken without the first.

Hour B
Exam I
301-302  French Literature of the Seventeenth and Eighteenth Centuries

A study of the Classical Age followed by a survey of its prolongation and transformation during the Age of Enlightenment. A detailed study of the works of Corneille, Molière, Racine, Pascal, Montesquieu, Voltaire, Diderot, and Rousseau. Conducted in French. Lectures, readings, written reports.

Junior course. Prerequisite, French 107-108 or 201-202. With permission of the department, either semester may be taken as a separate course.

Hour  K  
Exam  A  Brachfeld

303-304  The French Novel Since 1900 (Offered 1960-61; not to be offered 1961-62.)

A study of representative French fiction of the modern era.

First semester:  From the naturalists to Proust.
Second semester:  From Gide to Sartre and Camus. Conducted in French. Lectures, readings, written reports.

Junior course. Prerequisite, French 201-202 or 301-302.

Hour  D  
Exam  S  Savagool

305-306  Symbolist Poetry and Modern Theatre (Not offered 1960-61; to be offered 1961-62.)

First semester:  Poetry and doctrines from Baudelaire to surrealism.
Second semester:  The French theatre from 1900 to the present day. A critical study of plays by Cocteau, Claudel, Giraudoux, Anouilh, Sartre, and Camus. Conducted in French. Lectures, readings, written reports.

Junior course. Prerequisite, French 201-202 or 301-302. With the permission of the department the first semester may be taken as a separate course, but the second semester may not be taken without the first.

Hour  D  
Exam  E  Savagool

401-402  Studies in French Literature

First semester:  French literature of the Middle Ages and the Renaissance.
Second semester:  Selected works from 1600 to the present day. The second semester aims to fill in gaps and to correlate work the student has done in other French courses.

Senior course. Required course in the major. Prerequisite, French 201-202 or 301-302.

Hour  Arr.  First semester:  Sachs
Exam  Arr.  Second semester:  Savagool

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HONORS COURSES

H351-352  Junior Honors Course
H451-452  Senior Honors Thesis

Only one of the following honors courses will be given each semester, depending on the needs and interests of the students.

H353-354  Nineteenth Century French Novelists
A critical study of two major nineteenth century novelists.
First semester:  Either Balzac or Stendhal.
Second semester: Either Flaubert or Zola.
Honors course for juniors and seniors.  Prerequisite, French 201-202.
Hour  Arr.
Exam  Arr.

H355-356  Studies in French Literature of the Seventeenth and Eighteenth Centuries
First semester:  A study of the classical theatre.
Second semester: The writings of Voltaire and Rousseau.
Honors course for juniors and seniors.  Prerequisite, French 301-302.
Hour  Arr.
Exam  Arr.

H357-358  Studies in French Literature of the Twentieth Century
First semester:  Proust
Second semester:  French theatre since Copeau.
Honors course for juniors and seniors.  Prerequisite, French 303-304 or French 305-306 or permission of the department.
Hour  Arr.
Exam  Arr.

H359-360  Studies in Twentieth Century French Thought and Fiction
First semester:  Gide.
Second semester:  Malraux, Sartre, Camus.
Honors course for juniors and seniors.  Prerequisite, any junior honors course or (with the permission of the department) French 303-304.
Hour  Arr.
Exam  Arr.
ITALIAN (Div. I)

101-102  Elementary Italian

This course assumes some previous foreign language training on the part of the student. Extensive practice given in understanding and using simple spoken Italian. The essential features of Italian syntax are presented in the first semester. The second semester stresses development of ability to read rapidly and accurately.

The class meets three times a week; but in addition, as part of their preparation, students are required to spend two half-hour periods every week in the Language Practice Laboratory. Laboratory fee, $3.50 a term.

Freshman course. Open to students who show evidence of satisfactory work in some other foreign language.

Hour  E
Exam  M

[103-104  Intermediate Italian (Not offered 1960-61; to be offered 1961-62.)

Extensive reading in Italian literature. Continued practice in the use of the spoken language.

The class meets three hours a week. In addition, as part of their preparation, students are required to spend two half-hour periods every week in the Language Practice Laboratory. Laboratory fee, $3.50 a term.

Freshman course. Prerequisite, Italian 101-102 or the permission of the department.

Hour  E
Exam  M

SPANISH (Div. I)

MAJOR PROGRAM

Sequence courses
Spanish 107-108  Introduction to Spanish Civilization
Spanish 301-302  Spanish Literature of the Golden Age
Spanish 401-402  Studies in Spanish Literature

Parallel courses
Two courses from the following:
Spanish 105-106  Advanced Spanish
Spanish 201-202  The Spanish Novel and Theatre of the Nineteenth and Twentieth Centuries
Spanish 303-304  Modern Hispanic Literature

The three courses in the departmental sequence and the parallel courses in Spanish carry the student through Spanish literature of the sixteenth, seventeenth, eighteenth,
and nineteenth centuries, as well as the contemporary period. It is upon these courses that the major examination is based. It is the aim of the major, by tracing the different literary movements through the centuries, to show the development of Spanish culture and civilization and their contribution to the world of literature.

THE DEGREE WITH HONORS IN SPANISH

Eligible students majoring in Spanish who plan to become candidates for the degree with honors may do so by electing one of the following programs:

1) **TWO-YEAR PROGRAM OF HONORS COURSES**

   **Junior year, first semester**
   - Spanish 301  Spanish Literature of the Golden Age
   - One honors course in Spanish

   **Junior year, second semester**
   - Spanish 302  Spanish Literature of the Golden Age
   - One honors course in Spanish

   **Senior year, first semester**
   - Spanish 401  Studies in Spanish Literature
   - One honors course in Spanish

   **Senior year, second semester**
   - Spanish 402  Studies in Spanish Literature
   - One honors course in Spanish

2) **TWO-YEAR PROGRAM OF HONORS COURSES AND THESIS**

   **Junior year, first semester**
   - Spanish 301  Spanish Literature of the Golden Age
   - One honors course in Spanish

   **Junior year, second semester**
   - Spanish 302  Spanish Literature of the Golden Age
   - One honors course in Spanish

   **Senior year, first and second semesters**
   - Spanish 401-402  Studies in Spanish Literature
   - Spanish H451-452  Senior Honors Thesis

3) **TWO-YEAR PROGRAM OF INDEPENDENT STUDY CULMINATING IN A THESIS**

   **Junior year, first and second semesters**
   - Spanish 301-302  Spanish Literature of the Golden Age
   - Spanish H351-352  Junior Honors Course

   **Senior year, first and second semesters**
   - Spanish 401-402  Studies in Spanish Literature
   - Spanish H451-452  Senior Honors Thesis
Spanish

(4) One-year program of independent study culminating in a thesis
(for students entering the honors program at the beginning of
the senior year)

Junior year, first and second semesters
Spanish 301-302 Spanish Literature of the Golden Age
One other parallel course
Senior year, first and second semesters
Spanish 401-402 Studies in Spanish Literature
Spanish H451-452 Senior Honors Thesis

LANGUAGE COURSES

101-102 Elementary Spanish

Grammar, elementary composition, practice in conversation and reading of easy
modern prose.

This course is conducted by the intensive oral method. The class meets three
hours a week; but in addition, as part of their preparation, students are required
to spend two half-hour periods every week in the Language Practice Laboratory.
Laboratory fee, $3.50 a term.

Freshman course.
Hours B, J
Exam M

103-104 Intermediate Spanish

Continuation of Spanish 101-102. Review of grammar. Stress is laid on the
spoken as well as on the written tongue. Reading of literary selections of the modern
period.

The class meets three hours a week. In addition, students are required to spend
two half-hour periods every week in the Language Practice Laboratory. Laboratory
fee, $3.50 a term.

Freshman course. Prerequisite, Spanish 101-102 or admission Spanish 2.
Hours A, L
Exam G

105-106 Advanced Spanish

The purpose of this course is to give intensive training in the spoken and written
language. Material dealing with Spanish and Spanish-American life and customs
will form the basis for composition and conversation.

As part of their preparation, students are required to spend two half-hour periods
every week in the Language Practice Laboratory. Laboratory fee, $3.50 a term.

Freshman course. Prerequisite, Spanish 103-104 or admission Spanish 3.
Hour C
Exam N
LITERATURE COURSES

107-108 Introduction to Spanish Civilization

An introduction to the main currents of the cultural history of Spain through the study of selected literary works from the sixteenth century to the present. Lectures, class discussions, collateral reading, and written exercises. Conducted in Spanish as far as is feasible.

Freshman course. Prerequisite, Spanish 103-104 or admission Spanish 3 or 4. With the permission of the department, the first semester may be taken as a separate course, but the second semester may not be taken without the first.

Hours A, K
Exam A

201-202 The Spanish Novel and Theatre of the Nineteenth and Twentieth Centuries

A study of the major novelists and playwrights of Spain from the period of romanticism to the present. Lectures, class discussions, collateral reading, and written reports. Conducted in Spanish.

Sophomore course. Prerequisite, Spanish 107-108 or permission of the department. With the permission of the department, the first semester may be taken as a separate course, but the second semester may not be taken without the first.

Hours B
Exam I

301-302 Spanish Literature of the Golden Age

The first semester is devoted to the study of the Spanish ballads and La Celestina, followed by the plays of Lope de Vega, Guíllen de Castro, Tirso de Molina, Ruiz de Alarcón, Calderón, and others. The second semester is devoted to Cervantes' Don Quijote and Novelas ejemplares. Conducted in Spanish.

Junior course. Prerequisite, Spanish 107-108 or 201-202. With the permission of the department, the first semester may be taken as a separate course, but the second semester may not be taken without the first.

Hours Arr.
Exam Arr.

303-304 Modern Hispanic Literature

The study of representative writers of Spain and Spanish America, from 1898 to the present. Readings from Darío, Rodó, Unamuno, Ortega y Gasset, Madariaga, and others. Lectures, class discussions, collateral reading, and written reports. Conducted in Spanish.

Junior course. Prerequisite, Spanish 107-108.

Hours Arr
Exam Arr
Spanish

401-402  Studies in Spanish Literature

Studies in the analysis, criticism, and appreciation of major works in Spanish literature from the Poema del Cid to the contemporary period. The course aims to fill in gaps and coordinate the student's work as well as to correlate the work in Spanish literature with the literature of other countries.

Senior course. Required course in the major. Prerequisite, Spanish 201-202 or 301-302.

Hour Arr.
Exam Arr.

HONORS COURSES

H351-352  Junior Honors Course

H451-452  Senior Honors Thesis

Only one of the following honors courses will be given each semester, depending on the needs and interests of the students.

H353  The Picaresque Novel of the Spanish Golden Age

Study and analysis of the chief examples of the typically Spanish genre, la novela picaresca (Lazarillo de Tormes, Guzmán de Alfarache, La vida del Buscón, and others), and its influence on non-Hispanic literatures.

Honors course for juniors and seniors. Prerequisite, Spanish 107-108.

Hour Arr.
Exam Arr.

H354  The Theatre of the Spanish Golden Age

A detailed study of the dramatic theory and practice of Lope de Vega, Tirso de Molina, Alarcón, and Calderón.

Honors course for juniors and seniors. Prerequisite, Spanish 107-108.

Hour Arr.
Exam Arr.

H355  Pérez Galdós and the Social Novel of the Nineteenth Century

The study of the major works of Galdós as an example of nineteenth century liberal thought.

Honors course for juniors and seniors. Prerequisite, Spanish 107-108.

Hour Arr.
Exam Arr.
H356  The Novel of the Generation of 1898.
An intensive study of the principal works of Baroja and Azorín.
Honors course for juniors and seniors.  Prerequisite, Spanish 107-108.
Hour  Arr.
Exam  Arr.

H357  The Spanish Novel from 1939 to the Present
A study of the chief novelists of Spain since the Civil War of 1936-1939.
Honors course for juniors and seniors.  Prerequisite, Spanish 107-108.
Hour  Arr.
Exam  Arr.

H358  The Spanish Theatre Since 1939
A study of the chief dramatists of Spain since the Civil War of 1936-1939.
Honors course for juniors and seniors.  Prerequisite, Spanish 107-108.
Hour  Arr.
Exam  Arr.

RUSSIAN (Div. I)
(For description of courses see under German and Russian)
All examinations at Williams are conducted under an honor system, established in 1896, which expresses confidence in the fundamental integrity of each student.

The presence of proctors in the examination room is dispensed with, and each student is placed on his honor. He is free during examinations to move about, to speak to his companions, and to leave the room at any time, provided that he does not disturb others.

The following statement is signed on any examination or other work written in the classroom: *I have neither given nor received aid in this examination.*

All cases of alleged infraction are dealt with by the Honor System and Discipline Committee. This committee has the power to decide on the question of guilt and to recommend to the faculty the penalty of dismissal from college in the case of a senior, junior, or sophomore, and suspension in the case of a freshman.

The details of the Honor System are to be found in the Rules and Regulations number of the College Bulletin.
Students of the highest academic standing are elected to membership in the Phi Beta Kappa Society. The Williams, or gamma of Massachusetts, chapter of Phi Beta Kappa was established July 21, 1864.

Eligibility for Election to Membership

(1) The required average for election to membership shall be eleven A's above a B average. Such members of the junior class as have made this average by the end of the first semester of their junior year shall be elected to membership at that time, and a similar election shall be held at the end of the junior year, provided that such juniors have completed enough courses to be considered candidates for the B.A. degree in the following year, or are qualified under the combined M.I.T. plan, and provided that elections from the junior class shall not exceed one-fourteenth of the class. (Effective with the class of 1961.)

(2) Similarly in the senior year all seniors with an average of eleven A's above a B average either at mid-year or in June shall be elected to membership, provided that the total election in both senior and junior years shall not exceed one-seventh of the class. In computing the average for seniors in June the general major grade shall be given a value of two semester grades and grades below B if received in the freshman year shall be ignored. (Effective with the class of 1960.)

(3) No one shall be elected to membership who has not been a student in Williams College for at least two years.

(4) Any student who has taken college work elsewhere, at an institution that has a chapter of Phi Beta Kappa or Sigma XI, and who has completed at least two years of courses toward graduation at Williams College shall have all his grades count towards membership in Phi Beta Kappa, provided, that a candidate who has been a student in Williams for two years shall achieve a minimum of six A's over B's in grades at Williams; that a candidate who has been a student at Williams for three years shall achieve a minimum of eight A's over B's in grades at Williams; and that the grade requirements overall shall remain the same.
(5) Honorary members may be elected from distinguished alumni of at least twenty years standing. No more than one such member shall be elected each year.

(6) While connected with Williams College as an officer of instruction or administration, any alumnus of Williams College who is a member of another chapter of Phi Beta Kappa shall be considered a regular member of the Williams chapter.

(7) While connected with Williams College as professor, associate professor or assistant professor, any member of another chapter of Phi Beta Kappa shall have all the privileges of the Williams chapter, including holding office and voting. While connected with Williams College, any other officer of instruction or administration who is a member of another chapter shall have all the privileges of the Williams chapter, except holding office and voting.
COUNSELING SERVICES

The offices of the Deans, the Director of Admissions, the College Chaplain, the Registrar, the Director of Student Aid, the Director of Health, the Director of Placement are available at all times to assist and offer guidance to students. Each freshman has a faculty adviser to aid him in selecting his course of studies for sophomore year. Thirty members of the junior class live in the freshman dormitories and provide assistance. Since most classes are small and the ratio of students to faculty is low there are many opportunities for informal counseling by classroom instructors.

The chairmen of the various academic departments are the academic advisers for the upper class students. Freshmen are introduced to the activities and services of the college during special orientation days devoted to that purpose at the beginning of the college year.

Special Faculty Advisers

Special faculty advisers have been appointed to guide the student in preparing for professional careers and in applying for special graduate fellowships. They are as follows:

Actuarial Work, C. Wallace Jordan, Jr.
Armed Services, Henry N. Flynt, Jr.
Business Opportunities, Manton Copeland, Jr.
Business Schools, John H. Power
Danforth Fellowships, William G. Cole
Faculty Fellowships, Robert R. R. Brooks
Ford Foundation Fellowships, Robert R. R. Brooks
Foreign Students (here), Philip F. Smith
Fulbright Fellowships, Robert R. R. Brooks
Guggenheim Fellowships, Robert R. R. Brooks
Law, George G. Connelly
Marshall Scholarships, Dwight J. Simpson*
M.I.T. Combined Plan, Ralph P. Winch

*On leave second semester 1959-60
Counseling Services

Medicine, Samuel A. Matthews*, Allyn J. Waterman**
Ministry, William G. Cole
Public Service—Politics, Civil Defense, Fred Greene
Rhodes Scholarships, Dwight J. Simpson***
Social Service, William G. Cole
State Department, Fred Greene
Teaching, Harlan P. Hanson
Williams College Prizes and Scholarships, Henry N. Flynt, Jr.
The Woodrow Wilson National Fellowship Foundation, David A. Park

Faculty Advisers to Freshmen

Each freshman is assigned a faculty adviser on arrival at the college. The faculty adviser checks the selection of courses for the freshman year, assists in the selection of courses for the sophomore year, and is available throughout the year for consultation.

John W. Chandler  
Frederick C. Copeland  
William D. Dickerson  
Robert V. Dilts  
Samuel K. Edwards  
Robert L. Gaudino  
Monroe Z. Hafter  

Harlan P. Hanson  
John A. MacFadyen, Jr.  
Orville T. Murphy, Jr.  
Gerald E. Myers  
H. William Oliver  
Charles A. Schweighauser  
John G. Sproat

Junior Advisers

Thirty members of the junior class live in the freshman dormitories and provide assistance.

Robert Adler  
J. Pierce Anderson  
Rowland T. Bankes  
Alan F. Bogatay  
David St. J. Brown  
John C. Byers  
Jonathan B. Chase  
Edmund P. Day  
Thomas H. Fox  
Clifford B. Granger  
David E. Hall  
Bruce D. Hopper  
Kenneth L. Jones, Jr.  
Jonathan Kohn  
John D. Leech  

Josiah O. Low, III  
Paul E. Mersereau  
William E. Penny  
Harvey R. Plonsker  
M. Wendell Poppy  
George Reath, Jr.  
N. Buck Robinson  
John H. Simons  
Jerre B. Swann  
Richard E. Verville  
Richard Warch  
Thomas P. Weinland  
James S. White  
Eric G. Widmer  
Robert S. Zeiders

*On sabbatical leave first semester 1959-60  
**On sabbatical leave second semester 1959-60  
***On leave second semester 1959-60
Placement Bureau

The Placement Bureau serves both undergraduates and alumni. All registrants are given every assistance in finding satisfactory permanent employment. The primary function of the bureau is to help the senior and the alumnus, but juniors seeking a summer position "in training" which may lead toward future full employment are also advised. In the fall term, all interested juniors and seniors are invited to consult the director of the bureau regarding their job interests.

At the beginning of the second semester, recruiters from more than one hundred businesses and industrial firms begin a series of visits to the Placement Bureau. Representatives of secondary and elementary schools, federal agencies and services, and graduate schools maintain a steady series of scheduled visits to the bureau. Vocational guidance is offered, upon request, in all these fields.

A Career Weekend is scheduled annually. It consists mainly of a series of panel discussions, conducted when possible by prominent alumni, on subjects selected in advance by an undergraduate poll. Much attention is paid to careers requiring graduate study.
PREPARATION FOR GRADUATE AND PROFESSIONAL STUDY

Williams regularly prepares young men for graduate study in the arts and sciences, medicine, law, teaching, and other professions. Although the principal function of Williams is to provide a broad and solid liberal education which will be of lasting value no matter what vocation a student may pursue, the college recognizes that no fundamental conflict exists between a liberal education and preparation for a professional career; on the contrary, a foundation of liberal studies increases professional competence in any field. A student should plan his program of study so as to provide as much educational breadth and enrichment as circumstances permit. He should also give serious consideration to post-college plans early in his college career.

Each departmental major provides the foundation for graduate study in the corresponding field. Students should consult the departmental programs listed under “Courses of Instruction” for requirements, and for special advice regarding preparation for graduate study. Students should also consult with the appropriate departmental chairmen or special faculty advisers for certain professions (page 187) as early as possible in their college careers to make certain they have taken all the necessary factors into consideration.

Particular attention is called to the foreign language requirements of graduate study. Candidates for the degree of doctor of philosophy at almost all graduate schools are required to have a reading knowledge of both French or German. Under certain circumstances Russian may replace French. Many graduate schools require also a knowledge of Latin for students of English and Romanic Languages. Candidates for the master of arts degree are required to have a reading knowledge of either French or German. Students should consult departmental chairmen or the faculty advisers for the requirements in specific fields of study.

Architecture

Although requirements set by various architectural schools differ, the equivalent of Mathematics 101,102 (i.e., including elementary calculus)
Preparation for Graduate Study

and basic courses in history of art and architecture are required by all. The equivalent of Physics 101-102 or 103-104 is recommended by most architectural schools.

Entering freshmen who plan to become architects should take Mathematics 101,102 and are advised to take Art 201-202 in their freshman year and Art 301-302 in their sophomore year. Architectural Design (Art 403-404) is conducted for a limited enrollment by a member of the department with the assistance of a registered architect. In special cases where there is unusual aptitude, a student may be allowed to take two years of architectural study, provided that the second year is on an honors basis.

Students interested in engineering architecture should consult the description of the Massachusetts Institute of Technology-Williams Combined Program of Liberal Arts and Engineering (page 38).

Students planning to become architects should consult the faculty adviser on the study of architecture.

Business Administration

Williams offers no special course in preparation for a business career or for graduate study in business administration. The qualities which are important to success in business, and which graduate business schools are seeking, are an ability to reason and to express oneself logically and clearly in written and oral exposition; a good understanding of the physical and social environment in which business operates; and an appreciation of human motivations and goals. This means that a broad liberal arts program is preferred over a highly specialized one.

Within this broad prescription it is desirable to have at least one year of economics and one year of mathematics (including statistics). For those interested in production management additional work in mathematics and sciences would be helpful. Courses in American history and government provide important background understanding. In addition, a number of graduate business schools grant advanced standing for certain undergraduate courses successfully completed at Williams. For this information the student should consult the graduate business school adviser.

But there is no particular major at Williams that is designed as preparation for the business profession. Potential future businessmen are encouraged to undertake a broad educational program in the arts, humanities, and sciences.

Students interested in graduate work in business administration should consult the faculty adviser for business schools.
Preparation for Graduate Study

Engineering

To facilitate the combination of a liberal arts program with education in engineering, Massachusetts Institute of Technology and Williams College offer a combined ten-semester program leading to the Bachelor's degree from both institutions (page 38). This combined program is offered in all engineering subjects.

Opportunities for undergraduate or graduate work in engineering are available at various technical schools for students who major in the sciences. Students interested in engineering careers should consult the faculty adviser on the Massachusetts Institute of Technology-Williams combined plan.

Law

Williams graduates regularly proceed directly to law schools on the strength of their liberal education. No special courses are presented for prelegal students.

Students intending to study law should consult with the faculty adviser on the study of law.

Premedical and Predental Study

A premedical or predental student should consult early in his college program the catalog of the school he wishes to enter so that he can plan his course at Williams to fulfill the requirements of the school of his choice. Bulletins of a number of schools may be consulted in the office of the premedical adviser. A brief summary of the requirements of all U. S. and Canadian Medical Schools and other pertinent data concerning them are also available in a pamphlet revised each year. In general the admission requirements of most medical and dental schools are covered by English 101-102; Biology 101-102, 201,302; Chemistry 101-102, 201,202, 301-302; Physics 101-102 or 103-104 and two years of a modern foreign language or their equivalent in entrance credits. Biology and chemistry should ordinarily be taken in the freshman year.

The premedical or predental student should be aware of the nature of the competition he will encounter when he applies for entrance to medical or dental school. The number of applicants is high enough for committees on admission to select their classes from those applicants who have a high standing in their premedical work. The quality of work in the required science courses is particularly significant in determining the desirability of a candidate for admission. Many students, however, who do not have a B average are accepted by medical schools. "The policies of over 50 per cent
of medical schools call for no more than a C or C plus average.” (Admission requirements of American Medical Colleges, 1958.) In choosing a major, the premedical student should major in the field which challenges him most. “The majority of medical students are likely to be more interested in the natural sciences than in other fields of study and will choose their majors accordingly. These interests should not, of course, be discouraged, but those who choose natural sciences when they prefer the humanities or social sciences are not actually improving their chances for admission or their foundation for medical school work.”

Teaching and Research

The most important qualification for careers in university or college teaching and research is proficiency in the major field which the student intends to pursue. A student interested in college teaching and research should prepare himself at Williams for graduate work in the field of his choice. Those interested in teaching at the elementary or secondary level should plan to proceed from a sound major in their proposed teaching field to a graduate school of education.

Students interested in teaching and research should consult with the faculty adviser in that field and with the chairman of the department in which they intend to major.

Theology

Students intending to go to theological seminary are not required to pursue a special course. Any major is acceptable, and all liberal arts courses are useful to the prospective minister. Heavy concentration in the Religion department is discouraged, though one or two courses may be useful. Philosophy 301,302 and History 101-102 (103-104) are especially recommended, but beyond that the pretheological student is encouraged to pursue his own academic interests.

Students interested in theological study should consult with the faculty adviser in that field.
**GRADUATE STUDY**

*Master of Arts Program*

The degree of Master of Arts is awarded for not less than one year of resident graduate study to graduates of Williams College who satisfactorily complete the requirements. Graduates of other colleges may be registered as candidates if their college records show that they have completed with credit major work substantially equivalent to that required for the Williams degree. Normally graduate work leading to the degree of Master of Arts is offered only in biology, chemistry, and physics.

For detailed information concerning the requirements for the degree write to the Chairman of the Committee on Graduate Study, Williams College, Williamstown, Massachusetts.

*Degree of Master of Arts in Development Economics*

The degree of Master of Arts in Development Economics is awarded for not less than one year of graduate study in the Williams College Center for Development Economics. To be admitted to this course of study an applicant must have a B.A. degree, or its equivalent. He must have demonstrated a high level of analytical ability in academic or professional work, or both. He must be a national of a country which is not yet economically advanced. He must have a good command of English.

All communications relative to the degree of Master of Arts in Development Economics should be addressed to the Director of Graduate Training, Center for Development Economics, Williams College, Williamstown, Massachusetts.
The college campus occupies an area of about two hundred acres on which there are about sixty buildings. Eleven buildings are devoted to lecture rooms and classrooms: Currier Hall, Griffin Hall, Lawrence Hall, Goodrich Hall, Hopkins Hall, Mather House (for honors courses), Thompson Biology, Chemistry, and Physics Laboratories, Clark Hall, and Jesup Hall. Other buildings include: Stetson Hall, which houses the College Library as well as the Chapin Library of Rare Books; the Thompson Memorial Chapel, where daily chapel services are held; Chapin Hall, with an auditorium seating a thousand; Baxter Hall (the Student Union and Freshman Center); and the Adams Memorial Theatre, the campus drama center. There is a Health Center with a well-equipped infirmary. As an adjunct to the Lasell Gymnasium there are squash courts and two athletic fields. Intercollegiate contests are held on Weston and Cole Fields, which also furnish ample facilities for practice and for intramural sports. There are many tennis courts, a golf course, and a hockey rink with artificial ice. Dormitory accommodation is provided in the ten dormitories of the college and the fifteen fraternity houses near the campus.

Libraries

Library facilities at Williams College, representing the accumulated acquisitions of over a century and a half, now include a basic collection of 240,000 volumes and over 100,000 unbound United States public documents. These are housed for the most part in Stetson Hall, erected in 1922 as a memorial to Francis Lynde Stetson of the class of 1867, and since enlarged. This building contains, in addition to the usual delivery hall, reference room, periodical room, reading rooms and stacks, several seminar rooms, and fifty-two offices for members of the faculty. The reading rooms will seat more than 200 students, and there are 100 desks located in the stack areas which are available for students doing extended work on course papers. A part of the building is occupied by the Chapin Library of Rare Books.
Libraries

The book stack consists of nine tiers, of modern steel construction, with a capacity of 368,000 volumes.

For the convenience of the departments concerned, the following special collections of books are housed in other buildings: astronomy, biology, chemistry, geology, mathematics, and physics. The Florence Carpenter Brown gift of 960 contemporary plays is housed in the Adams Memorial Theatre. These departmental collections are under the supervision of the college librarian and are maintained as reference collections for use in their respective buildings. Their contents, however, are listed in the central card catalog, as are the holdings of the Chapin Library.

Additions to the library’s resources are made at the rate of approximately 5,000 volumes a year, not including some 6,000 public documents which the library receives as a government depository. Endowment funds, amounting in principal to about $395,000, have been established for the library. The income from this endowment, together with gifts and special appropriations, provides over $30,000 a year for the purchase of books and periodicals. The library receives 825 current journals regularly, representing the standard serial publications in the social and physical sciences, the arts, and belles lettres.

In keeping with the spirit of the curriculum, which places strong emphasis upon individual investigation of printed materials, the library is administered liberally, with a minimum of rules, and the stacks are open to students.

An excellent collection of over 8,000 phonograph records is available for circulation. The first unit of this collection was the gift of Mr. Paul Whiteman. The second part, together with an assortment of scores and books on music, comprises the “College Music Set” which was the gift of the Carnegie Corporation of New York. New records are purchased regularly to add to the original collection. In addition, Mr. Whiteman has given to the college original scores and parts of music written for his orchestra, which will form the basis of a further and larger collection of modern American music.

A special collection of textbooks which are lent to students in need of financial assistance is administered by the College Library.

Library hours, while the college is in session, are weekdays from 8 a.m. to 12 m., 1 to 6 p.m., and 7:30 to 11 p.m. except on Saturday, when the library closes at 5 p.m. On Sundays the hours are from 2:30 to 6 p.m., and from 7:30 to 11 p.m. During vacations the library is open Monday through Friday, from 9 a.m. to 12 m., and from 1 to 4 p.m.

Chapin Library

The Chapin Library, a noteworthy collection unrivalled by any college and surpassed by few universities, contains books, manuscripts and prints.
collected by the late Alfred Clark Chapin, Williams 1869. Presented to Williams College in 1923, the collections have grown until now there are about 14,000 volumes, including rare books, manuscripts, and over 4,000 reference books. These materials, augmented by representative collections of prints and broadsides, provide the students of Williams College with important examples of the fundamental source materials upon which a liberal education is based.

The strongest divisions in the library are Americana, English literature, and early printing. However, continental literature is well represented and there are unusual examples of modern fine printing, illustrated books, and many celebrated and valuable works of travel, exploration, and science, including books on ornithology with color plates. Regularly scheduled exhibitions (often integrated with class work) are held, as well as special showings of the library's major items, supplemented from time to time with materials received on loan. The resources of the Chapin Library may be consulted by undergraduates, members of the faculty, and qualified visitors. An unusual opportunity is afforded students working on research papers since they have access to books normally reserved for the use of graduate students and scholars in most university libraries.

Because of the nature and value of these books, the donor specified their use be restricted to the area occupied by the Chapin Library, which is located on the second floor of the south wing of Stetson Hall. The hours are: weekdays from 9 a.m. to 12 m. and from 1 to 5 p.m. except Saturdays, when the library is open in the morning. During college vacation periods, the hours will be scheduled and posted. Other visits may be arranged by special appointment.

Lawrence Art Museum

The Lawrence Art Museum was founded in 1926 by Karl E. Weston, first chairman of the Williams College art department. The main entrance gives access to an octagonal building of 1846, skillfully designed as the college library in Greek Revival style with an Ionic rotunda by Thomas Tefft of Providence. A portrait at the head of the front stairs represents the donor, Amos Lawrence of Boston, a friend of President Mark Hopkins (a replica by Chester Harding of the painting now in the National Gallery in Washington, D. C.). Wings fronting Main Street were added in 1890. When the building was equipped with classrooms in 1926, an addition was made at the rear. On the west side, the Edwin Howland Blashfield Room was added in 1938, while the corresponding gallery below it on the ground floor was named for another donor, the late George Alfred Cluett '96. The former contains works of medieval and Renaissance art; the latter, an important
collection of Spanish painting and Spanish and Italian furniture. Other collections in the museum include Roman glass; pottery of Greek, Etruscan, Peruvian, and Mayan workmanship; early American furniture; and British and American portraits of the late eighteenth and nineteenth centuries.

Like other college museums, the Lawrence Art Museum aids the instruction in art history and the practice of art. During the college year, there are frequently changing temporary exhibitions designed to supplement this instruction.

The permanent collection is being developed to provide a broad representation of world art in original examples without overlapping areas covered by the Clark Art Institute, an important private collection located in Williamstown. Among artists represented at the Lawrence Art Museum are: Boudin, Bourdelle, Braque, Copley, Delacroix, Demuth, Dürrer, Gainsborough, Guardi, Homer, Léger, Maillol, Panini, Peto, Picasso, Piranesi, Raeburn, Rembrandt, Reynolds, Ribera, Rodin, Rouault, Stuart, Toulouse-Lautrec, and Villon. Additions to the Cluett Room include a large seventeenth century Annunciation by Claudio Coello and a portrait by Pacheco, the master of Velázquez. Other possessions include two ancient Assyrian reliefs given to the college in 1851 by the British archaeologists Sir Henry Layard and Sir Henry Rawlinson, and French illuminated manuscripts and Italian paintings presented by Frank J. Mather, Jr. '89. Medieval sculpture is supplemented by loans from the Metropolitan Museum of Art, New York City. There is a good representation of contemporary art.

Funds for the purchase of works of art were established by Joseph O. Eaton '95; by Karl E. Weston '96; and by Lawrence H. Bloedel '23, in memory of Professor Weston.

Adams Memorial Theatre

The Adams Memorial Theatre is a gift to the college honoring the memory of John Quincy Adams, 1824-1879, of Hopkinton, Massachusetts and Chicago, Illinois. The building provides varied facilities for the use of students interested in the creative and interpretive aspects of dramatic and musical art.

The main auditorium seats 479 and is equipped with a completely modern stage that is suitable for all types of dramatic presentation. A spacious workshop for the construction and painting of scenery is adjacent to the stage. The basement level of the theatre contains a studio theatre for drama classes, rehearsals, recitals, and laboratory productions; a costume construction studio and vaults; dressing rooms and storage rooms; and offices for the department of drama.
Special Facilities

Baxter Hall

The Student Union-Freshman Center building, named in honor of President James Phinney Baxter, 3rd, provides dining and social facilities for freshmen and constitutes a student union for sophomores and upperclassmen who are not members of fraternities. The facilities of Baxter Hall are described more fully on page 204.

Chapin Hall

Chapin Hall, a gift of the late Alfred C. Chapin, of the class of 1869, contains an auditorium seating over a thousand and is equipped with an organ of unusual size and quality. Organ recitals, concerts, and other entertainments are held here.

Roper Public Opinion Research Center

The Roper Public Opinion Research Center contains the original opinion survey data of 44 research organizations located in 22 different countries throughout the world. These include, in addition to the United States, Canada, New Zealand, Australia, and South Africa, 12 European countries, 4 Latin American nations, and 2 Far Eastern countries.

Each cooperating organization deposits at the center all of its past and current data, with the exception of a small percentage of studies which individual clients do not wish made available.

The Center performs a three-fold function: (1) it assembles, preserves, and organizes within a single classification system the past and future survey data of most of the recognized opinion research organizations throughout the world; (2) it makes these materials readily available to accredited scholars engaged in secondary research projects; and (3) it provides educators with a reservoir of social science data useful as a classroom teaching aid.

The Center is housed in Stetson Hall and is equipped with machines and other facilities necessary for analyzing the materials, including close to five million IBM interview cards. The studies represent approximately twenty million dollars of original data collection.

Access to the data of the collection is granted to any accredited scholar and to other individuals who seek to use these materials in the public interest. The materials may be used at the center, or researchers may borrow duplicate sets of data for a period of time. Within limits dictated by the center’s budget, the staff searches and prepares tabulations of data for those who either cannot work at the Center or who do not have available at their own location the necessary processing equipment.
Special Facilities

Serving on the Center’s Board of Trustees are: Frank W. Abrams, formerly Chairman of the Board of Standard Oil Company (New Jersey); James P. Baxter, 3rd, President of Williams College; George Gallup, Director, American Institute of Public Opinion; Clyde W. Hart, Director, National Opinion Research Center; Philip K. Hastings, Associate Professor of Psychology and Political Science at Williams College; Eric Hodgins, Author, former Publisher of Fortune; James A. Linen, 3rd, Publisher of Time magazine; Elmo Roper; Frank Stanton, President, Columbia Broadcasting System; Samuel A. Stouffer, Professor of Sociology and Director of the Laboratory of Social Relations, Harvard University; Elmo C. Wilson, President, International Research Associates; Wilson W. Wyatt, Attorney, formerly Mayor of Louisville, Kentucky, and in 1946, head of the National Housing Agency.

Whiteman Collection

The Whiteman Collection, a gift of Mr. Paul Whiteman, is housed in specially built and equipped rooms in Stetson Hall and consists of original scores and parts of musical manuscript written or arranged for the Paul Whiteman Orchestra. The collection now exceeds four thousand titles, and when completed it will illustrate important features of American popular and entertainment music from Whiteman’s earliest phonograph records of the “Twenties”, through the jazz-concert period of Rhapsody in Blue, to contemporary examples of composition and orchestration for radio, television, and motion pictures. Photographs, scrap books, musical instruments, a large number of new and old recordings, and several periodicals on the subject of popular music are maintained as reference material.

Science Laboratories

The departments of biology, chemistry, and physics are located in the three laboratory buildings presented to the college by Frederick Ferris Thompson, of the class of 1856. The department of geology is in Edward Clark Hall. Each laboratory has a departmental library, which contains the more important American and foreign scientific journals, totaling some 10,000 books and 11,000 bound journals. There are conference and classrooms equipped for demonstration lectures, laboratory rooms, and a number of research rooms for the staff, graduate students, and honors students. Each laboratory has photographic dark rooms and projection apparatus for both slides and motion pictures. The general work of the laboratory sciences is further aided by a well-equipped science shop.

The Biology Laboratory provides facilities for the departments of biology and psychology. Courses in psychology make use of a computing room, a dark-
Special Facilities

room, a soundproof room, and laboratories for regular classes and for honors students. Office space is provided for both departments. Small classrooms, seminar, and conference rooms, and a large lecture room take care of a wide variety of instructional needs. Biological facilities include those essential for the conduct of the usual courses as well as space and equipment for research. Facilities for the use of radioactive isotopes for tracer studies are available. The laboratories contain animal quarters for a variety of living material for both classroom and research. Synoptic collections for teaching are displayed in an attractive museum area. Of particular interest are the Kohnstamm Memorial Laboratory and the Samuel Fessenden Clarke Plant House, which provide space and facilities for class work and investigation in the study of plants.

The Chemistry Laboratory contains several large lecture rooms, a number of conference rooms, and offices. Large, well-lighted and ventilated laboratories are available for inorganic, analytical, organic, and physical chemistry. Several small laboratories are designed for special work, including research, honors work, photography, and optical work. There are also balance rooms, a central stock room with curator's office, and a departmental library. The building is adequately equipped with apparatus and services to carry on research as well as routine work. A large quantity of optical and electrical apparatus is available. Among the larger pieces of special equipment are: a Beckman spectrophotometer, Perkin-Elmer recording infrared spectrometers, a Bausch and Lomb 1.5 meter grating spectrograph, a large Hilger Littrow quartz spectrograph, a General Electric X-ray diffraction unit, a Knorr-Alber recording microdensitometer, high efficiency fractionating columns, and a precise Wheatstone bridge.

The Geology Laboratory located in Clark Hall, houses a carefully selected collection of rocks, minerals, and fossils arranged both in public displays and in student study collections. Laboratory equipment is available for work in mineralogy, petrology, structural geology, seismology, paleontology, sedimentology, and geological surveying.

The Wilder Cabinet forms the central unit of the group of minerals, which includes the R. Clifford Black collection of precious and semiprecious stones and an attractive display of fluorescent minerals in a special dark room. The local geology is represented by a collection of specimens and by two large topographic and geologic relief maps.

A stratigraphical and biological arrangement of invertebrate fossils is partially complete. Several evolitional series are shown and others are in preparation. Restorations of prehistoric animals are exhibited, and a collection of skulls of modern vertebrates permits comparisons with fossil
vertebrates. Synoptic collections of artifacts of the Stone, Bronze, and Iron Ages, together with skulls and skeletons, illustrate the evolution of man.

The Julius Palmer Memorial seismograph with recording apparatus for local and distant earthquakes is on display in special rooms in the subbasement of Clark Hall.

The Physics Laboratory accommodates the departments of physics and astronomy and their joint library, as well as the carpentry and machine shops which serve all the sciences. Of the ten laboratories in use by the physics department, two are devoted to elementary work, one to optics and atomic physics, and one each to the study of electricity and electronics. Each of these is adjoined by its own apparatus room and is extensively equipped. The remaining five, all provided with complete laboratory facilities, are used for individual research projects undertaken by undergraduates and candidates for the Master’s degree. Although much of the research apparatus used is assembled by the students for their particular experiments, the department has available a variety of permanent equipment. General lectures are held in two lecture theatres adjoining stockrooms for demonstration apparatus.

The Science Shop provides extensive shop facilities to meet the demand for special apparatus which advanced work in science creates. The metalworking equipment includes lathes, power drills, a six-foot planer, heavy milling machines, and an unusually complete array of spiral reamers, drills, and thread-cutting tools; for wood-working there are power saws, a thickness planer, a router-shaper, a lathe, a joiner, and a jig-saw. There are blow torches for glass and quartz blowing, and for welding, tempering, and brazing. A cabinet maker and a mechanician build the special equipment required by all the science departments.

Hopkins Observatory

The observatory was built by Professor Albert Hopkins in 1836-38 and is the oldest astronomical observatory in the United States. It contains an equatorial by Phelps of Troy, New York, with an object glass by Alvan Clark, Sr., which has an aperture of seven inches. This instrument was constructed about 1852. The meridian room of the Hopkins Observatory contains a fine portable transit which can be used as a zenith telescope, together with two clocks and a chronograph. Another room contains the meteorological apparatus. The astronomical museum is located in the rotunda of the observatory.

In addition, the department of astronomy is provided with two eight-inch reflecting telescopes, a four-and-one-half inch and a three-inch refracting
Special Facilities

telescope, and a three-inch patrol camera, all electrically driven and mounted on an observing deck on the physics laboratory; and with a large number of portable instruments, including two small telescopes, ten 7 x 50 binoculars, three surveyors' transits, a Wanschaff universal with seven-inch limb, several sextants, prismatic circles, and three chronometers. The illustrative material for the courses and the classroom are located on the third floor of the new wing in the physics laboratory. A sixteen-inch applanatic reflecting telescope is now under construction in the Williams College shops.

Lasell Gymnasium

The Lasell Gymnasium, erected and equipped in 1886 through the generosity of the widow of Josiah Lasell, of the class of 1844, and her son, Josiah Manning Lasell, of the class of 1886, was remodeled and enlarged in 1928. Centrally located in the heart of the campus, the gymnasium provides facilities for physical education and for intercollegiate and intramural athletics. In the gymnasium are a 5-lane, 75-foot swimming pool with a gallery accommodating about 500 spectators, two basketball courts, a wrestling room, and an indoor track, as well as dressing rooms for visiting teams, lockers, and showers. Connected to the gymnasium is a separate building which houses 14 singles and 1 doubles squash courts.
UNDERGRADUATE ACTIVITIES

The Student Union-Freshman Center

Baxter Hall, the Student Union-Freshman Center building, named in honor of President James Phinney Baxter, 3rd, represents the latest addition to the campus. One of the primary purposes for which Baxter Hall has been designed is to provide adequate dining and social facilities for the freshmen. The building also constitutes a Student Union centrally located and open to all undergraduates.

In addition to a lounge and a dining room for freshmen, the building contains similar facilities for upperclassmen who are not members of fraternities. All undergraduates and members of the Williams community may use these facilities.

An attractive snack bar, serving refreshments and light meals, and game rooms for pool, billiards, and ping-pong provide a common meeting place for freshmen and upperclassmen. Offices for the college newspaper, the Williams Record, and for the college radio station, are located in the building. Special meeting rooms are used by the student governing body, the College Council, the Student Activities Council, the Williams Outing Club, and other student organizations. A post office is operated in the building for freshmen and any upperclassmen who desire to use it. A modern dark room is available in the basement for photographers. Office space has been provided for a student book exchange. The building also contains large storage and refrigerator space for a commissary that supplies food to the fraternities.

Activities in the building are the responsibility of student committees, functioning under the direction and guidance of the Director of Student Union Activities. The calendar of events in the building includes dances, lectures, movies, language club meetings, and other social activities.

Student Residence

Dormitory accommodation is provided in the ten dormitories of the college housing about seven hundred students and in the fifteen fraternity houses near the campus. Freshmen and sophomores are required to live in college dormitories.
dormitories. Freshmen are housed together principally in three dormitories and are required to take their meals in the freshman dining room of Baxter Hall. Fraternity membership is open to sophomores, juniors, and seniors. Juniors and seniors may live either in dormitories or in the fraternity houses. Each fraternity has its own dining room. Dining and assembly rooms for non-fraternity students are in the Student Union.

Freshmen are assigned to rooms by the admissions office. Sophomores and upperclassmen who are to reside in college dormitories are assigned to their rooms by a drawing system supervised by the treasurer's office.

Each room is provided with the essential articles of furniture, including desk, chair, table, chest of drawers, pillow, mattress, and bed. The student is expected to supply his own lamps, rugs, drapes, linen, and blankets.

Special Lectures

The faculty gives a series of public lectures weekly from the first Thursday of the second semester until the last Thursday before spring vacation. All college departments are represented in the series, and lecturers aim to discuss their special fields in a way that will be of general interest to non-specialists.

The faculty lectures for the year 1959-1960 were as follows:

Fred H. Stocking  Virginia Woolf at Her Best
John G. Sproat   Sadly, Honest-Looking Gentlemen
Guilford L. Spencer  Ruler and Protractor Geometry
Harlan P. Hanson  Two Queens and Two Princes: 450 A.D. to 1203 A.D.
H. Lee Hirsche  A Visual Pilgrimage
Icko A. Iben  The Evolution of Ideas Concerning Stellar Evolution
John H. Power  Population Growth and Economic Progress
H. Richard Archer  Archetypes and Innovations in the Black Art

The Williams Lecture Committee, a combined faculty and undergraduate committee, plans each year a series of lectures by invited speakers. Lecturers are generally invited to spend one or two full days on the campus so that they may talk informally to special groups, take part in regularly scheduled classes, or otherwise contribute to the intellectual life of the college.

Religious Activities

All students are required to attend a weekly chapel service or a Sunday service in one of the local churches. Religious services in the chapel are conducted by the President, the College Chaplain, or by a visiting preacher.
Undergraduate Activities

In the selection of preachers the President and the Chaplain are assisted by the advice of an undergraduate committee.

College Preachers at the Chapel Services 1959-1960

The Reverend Lawrence P. DeBoer, B.D.
The Reverend William G. Cole, B.D., Ph.D.
Assistant Professor John W. Chandler, Ph.D.
The Reverend Tom Driver, B.D., Ph.D.
President James Phinney Baxter, 3rd, Ph.D., Litt.D., L.H.D., D.Sc., LL.D.
The Reverend John B. Coburn, B.D., D.D.
The Reverend B. Davie Napier, B.D., Ph.D.
The Reverend David King, B.D.
The Reverend Robert Craig, S.T.M.
Rabbi Eric I. Lowenthal

Assistant Professor Dwight J. Simpson, B.Litt. (Oxon), Ph.D.
The Reverend Prentiss L. Pemberton, B.D., Ph.D.
The Reverend A. T. Mollegen, B.D., Ph.D.

The Reverend William S. Coffin, B.D.
Mr. William H. Harter, M.A.T.
The Reverend Lawrence L. Durgin, B.D.
Professor Robert E. Seaver, M.A.
Dr. Charles Malik, Ph.D., LL.D., D.Sc., HH.D.
The Reverend D. Elton Trueblood, B.D., Ph.D.
The Reverend William Spurrier, B.D.

The Williams College Chapel is a voluntary student organization dedicated to service to the college and to the community. It sponsors the Williamstown Boys’ Club and supervises its athletic, recreational, and educational program. Some of its members assist in the services and activities of various churches in and around Williamstown. The receipts of the Annual Chest Fund Drive conducted by this group go for charitable purposes.

The Washington Gladden Society consists of students interested in religious vocations. Meetings are devoted to discussion of training for the ministry and other church vocations.
Musical Activities

Concerts

The department of music sponsors three types of concert attractions: the Thompson Concert Series, featuring internationally known artists; the department of music series; and concerts by joint student-community organizations.

For many years a course of concerts and entertainments was sustained by the late Frederick Ferris Thompson, of the class of 1856. From 1929 until 1951, the course was continued as a series of concerts supported by an appropriation made by the trustees from the income of the Mary Clark Thompson Fund. During the season 1951-52, for the first time, the concerts were made available to the college community as well as the general public free of charge.

The Thompson Concert Series for 1959-60 included the following artists: the Budapest String Quartet; Robert Brink and Daniel Pinkham, violin and harpsichord duo; the Tri-City Symphony Orchestra; the Kroll Quartet, assisted by David Glazer, clarinetist.

The department of music also sponsors several concerts annually using its own staff supplemented by assisting artists from outside the immediate area. During the 1959-60 season this group of performances included: a concert of chamber music for wind instruments, directed by Professor Shainman, a concert by the Lehigh University Instrumental Ensemble, and a student concert of vocal and instrumental music.

The Williams Glee Club, under the direction of Victor Yellin, Assistant Professor of Music, has long enjoyed a reputation for the excellence of its repertory and performance. Each academic year it presents concerts with other choral groups in Williamstown and in various cities and colleges in the east. This year a winter tour is scheduled to St. Thomas Church, New York City, Swarthmore College, and Wilson College. Concerts on this tour will feature performance of motets by Hans Leo Hassler and the 84th Psalm, *Wie lieblich sind deine Wohnunge* by Heinrich Schütz. In April the small group of the Glee Club will appear at the Boston Society of Alumni banquet. At the final concert of the season, in Williamstown, *Judas Maccabeus*, by Handel, will be presented with soloists and orchestra together with the Wellesley College Chorus.

Qualified students also have the opportunity to participate in any of the following organizations:

(1) The Berkshire Community Symphony Orchestra, which is made up of a group of 75 players from 15 communities in three states. Thomas Griswold,
Assistant Professor of Music, is the conductor. During the 1959-60 season the orchestra presented two performances with Robert Bloom, oboist, and Michael Tree, violinist, as soloists. All qualified students are invited to join in the orchestra’s activities.

(2) The Berkshire Singers, a semi-professional mixed chorus limited to 30 voices selected by audition, under the direction of Professor Barrow, chairman of the music department. Like the orchestra, it draws its members from singers in many different communities of the area, together with students of sufficient experience. The group presents six to eight concerts annually in various cities in New England plus at least one performance in Williamstown.

(3) Two department sponsored instrumental organizations, both supervised by Irwin Shainman, Associate Professor of Music. The Williams College Marching Band is a group of 55 players that performs at football games and is conducted by David Hall '61.

The Williams Brass Ensemble is made up of sixteen selected student performers who give formal and informal concerts during the winter and spring seasons. The Ensemble specializes in the performance of musical literature not usually available to bands.

PRIVATE MUSICAL INSTRUCTION

College students may obtain private instruction in piano, organ, voice, or brass instruments from various members of the department. Although such instruction is not part of the regular curriculum and receives no academic credit, special reduced fees are established for college students which are substantially below the cost of comparable lessons elsewhere. Abundant practice facilities in modern practice rooms are available without charge.

Considerable opportunity for public performance is offered to qualified students by means of a series of student recitals which are sponsored by the department throughout the year.

DRAMATICS

The Adams Memorial Theatre with its modern equipment supplies an outlet for any interest in the theatre—creative, technical, or administrative.

Participation in theatre work as actors, directors, designers, and technicians is open to all undergraduates, and membership in Cap and Bells, Inc., the undergraduate dramatic organization, is a reward for such participation; it is obtained under a point system.
Undergraduate Publications

Literary and journalistic interests find expression in the Williams Record, a semi-weekly newspaper; The Red Balloon, a literary magazine; The Williams Review, sponsored by the Williams chapter of Phi Beta Kappa; and The Purple Cow, a humor magazine. The Gulielmensian, the college yearbook, is edited by members of the junior class. The Eph Williams Handbook is published for the purpose of acquainting incoming freshmen with the college. A mimeographed news bulletin, The Adviser, is published daily. The Address Book, a directory of students, faculty, and administrative officers, is also published by students. Undergraduates in the Williams News Bureau write news reports of sports and other college events under the supervision of the College News Director.

Debating

The Adelphic Union has charge of the debating interests of the college and manages the intercollegiate debates.

Fraternities

Membership in fraternities is open to sophomores, juniors, and seniors. Invitations to join are issued by the fraternities to sophomores at the beginning of the college year. The fifteen fraternities in order of their establishment at Williams are:

Kappa Alpha, Sigma Phi, Delta Upsilon, Chi Psi, Beta Theta Pi, Zeta Psi, Alpha Delta Phi, Delta Psi (St. Anthony Hall), Delta Kappa Epsilon, Phi Gamma Delta, Phi Delta Theta, Theta Delta Chi, Phi Sigma Kappa, Psi Upsilon, and Delta Phi.

Each fraternity provides dormitory accommodations for most of its junior and senior members and serves meals for all its members. Fraternities serve as a nucleus for social and intramural athletic activities for sophomores and upperclassmen.

College Council

The College Council is designed to be the directing force of undergraduate activities. It deals with college-wide problems and aims to develop a spirit of unity and cooperation on the campus. The constitution provides for three committees: the Honor System and Discipline Committee, the Student Union Committee, and the Rules, Nominations, and Elections Committee. In addition, the Student Curriculum Committee and the Finance Committee are set up to handle specific areas of undergraduate interest.
Undergraduate Activities

Membership is on a class basis, each class being represented by its president, secretary-treasurer, and College Council representatives. The president of the Social Council and the editor of the *Williams Record* are also members of the Council.

Social Council

The Social Council is concerned with the affairs of the various social units, as distinct from the problems of the college as a whole. It is composed of the heads of all the fraternities. Matters of fraternity rushing are decided jointly by both the College Council and the Social Council.

Student Honor System and Discipline Committee

The Student Honor System and Discipline Committee is appointed by the College Council. It meets jointly with the Faculty Discipline Committee or the Dean on matters pertaining to the conduct of members of the student body. The committee also deals with all cases of alleged infraction of the honor system.

Honorary Societies

The Phi Beta Kappa Society is described on page 185.

Gargoyle Society

Gargoyle, established in 1895, is the senior honor society, with a maximum membership of twenty men who are chosen publicly on a specified day in the spring from members of the junior class in full standing. The object of the Gargoyle Society is to discuss college matters, to take active steps for the advancement of Williams in every branch of college life, and to exert itself against anything deemed detrimental to such advancement.

Purple Key

Purple Key, a junior service organization, consists of fifteen members of the junior class selected on the basis of their desire to serve Williams College. The society provides such services as greeting teams and visitors that come to Williams, sponsoring a houseparty and Key weekend, printing all athletic programs, and holding a Block "W" Banquet for letter winners in the spring of each year.

Delta Sigma Rho

Students who participate in intercollegiate debates are eligible for election to the Williams chapter of the national forensic fraternity, Delta Sigma Rho.
Intramural Athletics

Participation in intramural athletics is voluntary, and no credit in physical education is given for such participation. Tournaments in golf, tennis, squash, track, and swimming are held annually for the college championship in these activities. All students are eligible to compete, and suitable prizes are awarded to the winners and, in some cases, to other place winners.

In the interfraternity league each house enters teams in touch football, tennis, golf, basketball, swimming, volleyball, squash, hockey, skiing, softball, and track. The freshman class is divided into five groups each of which competes with the fraternities in these activities. Winners in each sport have their names engraved on the intramural plaques in the gymnasium. The fraternity winning the greatest number of points for the year is awarded the intramural championship trophy.

Intercollegiate Athletics

Williams normally has varsity and freshman teams in football, soccer, cross country, basketball, hockey, swimming, wrestling, squash, skiing, baseball, track, tennis, golf, and lacrosse, and intercollegiate competition in these sports.

Intercollegiate athletics are under the direct control of the faculty through the supervision of the faculty committee on athletics. The immediate direction of intercollegiate athletics, both varsity and freshman, is in the hands of the director of athletics, who is a member of this committee and also of the Athletic Council which acts in an advisory and consultative capacity. This Council is composed of three undergraduates, three alumni, and three members representing the faculty and administration.

Intercollegiate athletics are partially supported by an assessment levied on the undergraduates. This assessment is included on the bill presented to each student at the opening of college. No admission is charged to undergraduates for athletic contests in Williamstown, except for the homecoming football game, when students are admitted at reduced rates.

Through a plan of the National Collegiate Athletic Association the college has provided for insurance protection up to $5,000 for injuries incurred by a student by accident:

(1) while participating in practice or playing for any intercollegiate sport as an official representative of his institution or,

(2) while actually being transported en route in a group to or from practice or play, provided the group is under the supervision and personal direction of the coach, manager, or other duly delegated authority of the college or team.
Undergraduate Activities

Williams Outing Club

The Williams Outing Club operates skiing facilities and stages the annual Winter Carnival. It also maintains trails and two cabins in the area during the year. The club also conducts a program of trips and other activities designed to exploit the advantages of the college’s unique environment.

Radio Station

The Williams College Radio Station, WMS-WCFM, is an organization with modern equipment, owned and operated by students. This activity provides the student with varied opportunities to work in the administration and physical operation of the station.
The college has a well-equipped infirmary, with a staff including Thomas V. Urmy, M.D., Director of Health; Robert K. Davis, M.D., and H. Collier Wright, M.D., Physicians; Edward J. Coughlin, Jr., M.D., Surgeon; Jule P. Miller, M.D., Psychiatrist; Robert A. Harris, Ph.D., Clinical Psychologist.

Doctors are at the infirmary daily at regular hours to meet all requests for medical attention. Emergency medical service can be obtained at any time of the day or night by calling the infirmary. Illness of a mild and ambulatory type is treated in the out-patient clinic. If illness is severe enough to prevent class attendance, the student cannot remain in his room, but must be admitted to the infirmary. Only regularly enrolled students are eligible for such medical services.

In general, the health department attempts to furnish adequate care for all illnesses and injuries which occur while the student is in Williamstown but does not assume responsibility for dental examinations and treatment, eye refractions, prescriptions, unusual or expensive drugs not yet incorporated in standard practice, consultations requested by the patient or his family, or treatment of all conditions present before the student entered college.

No charges are made for any health department services, including hospitalization at the infirmary, except the regular annual health fee paid by all students.

The college assumes no financial obligation for elective operations, for any treatments of a specialized nature which may have to be provided elsewhere, or for care during the periods when the college is not in session. The accident and health insurance policies made available through the college are designed to give protection in these areas.

Soon after entrance each student receives a thorough physical examination. If found to be in satisfactory condition, he is permitted to enter into any form of athletics, subject to the requirements of the curriculum. If he is found to have physical defects, he is restricted in such a manner as to prevent injury. Close contact is constantly maintained with the department of physical education and athletics to insure that the health of the individual is protected. The trainers for the athletic teams work under the supervision of the health department.
Department of Health

Regular inspections of the college and fraternity facilities for food preparation are conducted, and all food handlers are subjected to annual physical examinations.

When a student withdraws from college for any reason, he is no longer entitled to treatment under the health program.

Accident and Sickness Insurance

Under a blanket accident policy, which makes possible a very low premium of $8.00 per student per year, the college has been able to supplement its own health services. Each student will be protected for all medical expenses incurred as the result of each accident up to a maximum of $1,000. Where the accident occurs in Williamstown this insurance will provide reimbursement for treatment beyond the scope of the college health facilities. In addition, the policy will protect against accidents occurring while students are away from the campus or on vacation. It will cover a student 12 months of the year no matter where the accident occurs. The charge of $8.00 for this insurance is included with other fees on the term bill at the beginning of the college year.

In addition to this group accident coverage, the college is fortunately able to make available two supplementary forms of insurance on a voluntary basis:

(1) For an added premium of $10—a total of $18—the student may increase the benefits of the group accident policy to provide further payment by the insurance company (above the $1,000 covered by the basic plan) of 75¢ on each $1.00 of expenses up to maximum payment of $4,000, or a total of $5,000 of reimbursement by the company against expenses of $6,333.33. To make the premium for these increased benefits as low as possible, injuries incurred by accident while participating in intercollegiate sports are not covered, since the college has provided for benefits up to $5,000 for such injuries at its own expense. (See page 211.)

(2) Whether or not the additional benefits on the accident coverage are elected, a student may also protect himself by a liberal plan of sickness insurance covering hospitalization, surgical benefits, doctors’ bills, nurses, etc., up to a maximum of $750. The premium for this protection is $12.

As the college does not assume responsibility for injury or illness requiring treatment outside its own health facilities, these voluntary coverages should be attractive at this low premium cost, particularly when a student reaches his nineteenth birthday and is no longer protected under the family Blue Cross or Blue Shield policy.

A descriptive leaflet is mailed to all parents before the opening of college, giving complete details of required coverage as well as of the optional plans.
SCHOLASTIC REGULATIONS
AND STANDARDS

Regulations governing the honors program are given on page 39.

Spring Registration

Students are required to register during the designated period in the spring. Late registration entails a fee of $10 and a change of course, a fee of $5.00.

Fall Enrollment

All students are required to enroll on designated days before classes begin in September. A penalty of $10 for late enrollment will be imposed unless the student is excused by the Dean.

Attendance at College Exercises

All students are expected to attend classes, Sunday chapel or church services, announced quizzes, hour tests (tests longer than 35 minutes on review material), laboratory periods, final examinations, and individual appointments. Regulations regarding attendance are to be found in the “Rules and Regulations” number of the College bulletin.

Grading System and Records

The following grade system is used: A, excellent; B, good; C, fair; D, passing; E, failing. These letters with plus and minus value have the following numerical equivalents in calculating grade averages:

- A+ = 12  B+ = 9  C+ = 6  D+ = 3
- A  = 11  B  = 8  C  = 5  D  = 2  E  = 1
- A- = 10  B- = 7  C- = 4  D- = 1

A report of scholarship is sent by the Registrar to every student’s parents or guardian at the close of each semester. A permanent record of each student’s scholarship is kept, and by this record his promotion and graduation are determined.
Scholastic Regulations and Standards

Mid-Term Warnings

In the middle of each term, instructors report to the Office of the Registrar the students whose grades, as estimated at that time, are D or E. Official notice is sent to each such student. A notice will be sent to the parents or guardian of a student who receives two or more warning grades.

Students who do not receive mid-term warnings, but who fail seriously after the middle of the term, may still be considered for dismissal by the Committee on Academic Standing at the end of the term.

Completion of Courses

A student must secure a passing grade in the class work of a course in order to be admitted to the final examination. A course is considered completed for any semester when the student has obtained a grade as high as D minus, based on both the daily work and the final examination. If he fails to do this, he must cancel the deficiency in one of these ways:

1. repeat the course, in addition to the normal course load;
2. forfeit one semester’s credit and take an extra semester course;
3. in case of a first semester failure in certain courses, obtain a grade as high as C minus in the work of the second semester;
4. in the case of a failure in the first semester of senior year, pass an extra course the second semester to make up this deficiency. This does not apply, however, to a failure in the first semester of a required major course. In this case the senior is dropped from college at midyear.

If a failure occurs in the first semester of a year course, the student may, with the consent of the instructor, continue the course. Credit for the first semester of a year course may be canceled because of failure in the second semester, upon the recommendation of the department concerned and with the approval of the Committee on Academic Standing.

If a student because of illness or protracted absence from college or for special reasons has not completed the daily work of a course at the end of a semester, he must secure permission from the Dean to take the final examination and for an extension of time to complete the daily work. In the case of absence from a final examination, a make-up examination may be given only at a time to be determined by the Dean.

If a student’s total absences for any reason in any course exceed fifty per cent of the exercises of the semester, the work may not be made up nor may any credit be allowed for the course for that semester except by special vote of the Committee on Academic Standing. This regulation applies to honors candidates as well as to students on the Dean’s List.
Academic Warning

At the end of each term, the Committee on Academic Standing may place on academic warning any student whose term record is dangerously low. Students are advised that failure to improve scholastically in the following term may result in dismissal. A note to this effect is also sent to the parents or guardian.

Admission to Final Examinations

A student must secure a passing grade in the class work of the term in order to be admitted to the final examination. If for special reasons a student has not completed the daily work of a course at the end of a term, he must secure permission from the Dean to take the final examination.

Eligibility for and Completion of Majors

To be eligible for any major, a student must have received grades of C minus or better in each semester of the prerequisite course and in any other course taken in the sophomore year which is required in the major. A student who falls below this standard may major in this subject only with the approval of the Committee on Academic Standing in consultation with the chairman of the department.

The passing of each major course and of the major examination is necessary for the completion of the major. In addition, the student must obtain a general grade of 4.0 or higher in the major. This grade is determined by combining the grades attained in all the major courses and the grade attained in the major examination. The latter must count at least one fifth of the total. A student who receives a grade of E in the first semester of a required major course in his senior year is dropped from college at midyear. Seniors who have an average of less than 4.0 in the major field may also be dropped or allowed to resign at midyear.

A student who fails in the major examination, or who fails to secure a major grade of 4.0, may be given a re-examination a year later, with the permission of the department in which he majors and of the Committee on Academic Standing. Such a student, however, may not be in residence in Williams College while preparing for the re-examination.

Awarding of Degrees

To be eligible for the Bachelor of Arts degree a student must secure semester grades of C minus or higher in at least 23 semester courses and must attain a major grade of C minus or higher based upon the work in the major courses and in the final general examination.
Scholastic Regulations and Standards

By vote of the Trustees, the degree of Bachelor of Arts is conferred at Commencement upon students who have completed the requirements as to courses and grades to the satisfaction of the faculty, have paid to the treasurer all college dues and other college charges, and have returned all books belonging to the library.

Dismissal for Low Scholarship

It is the policy of Williams College not to permit students to remain in residence after it has become evident that they are either unable or unwilling to maintain reasonable standards of achievement.

At the end of each semester, the Committee on Academic Standing examines all records to determine which students have shown that they can profitably continue their work at Williams. The Committee on Academic Standing will recommend for dismissal any student who:

(a) at the middle of freshman year
   (1) has failed three courses;
   (2) has failed two courses and receives no grades as high as C minus.

(b) at the end of freshman year
   (1) has not attained five semester grades of C minus or better;
   (2) has accumulated three or more deficiencies.

(c) at the middle of sophomore year
   (1) has failed to attain at least three grades of C minus or better during the first semester;
   (2) has accumulated three or more deficiencies;
   (3) has failed two courses during the semester.

(d) at the end of sophomore year
   (1) has failed to attain at least three grades of C minus or better during the second semester;
   (2) has accumulated three or more deficiencies;
   (3) has failed two courses during the semester;
   (4) has failed to qualify for a major.

(e) at the middle of junior year
   (1) has failed to attain at least three grades of C minus or better during the first semester;
   (2) has accumulated three or more deficiencies;
   (3) has failed two courses during the semester;
   (4) has fallen below an average of 4.0 in his major and has no alternative major open.

(f) at the end of junior year
   (1) has failed to attain at least three grades of C minus or better during the second semester;
(2) has accumulated three or more deficiencies;
(3) has failed two courses during the semester;
(4) has fallen below an average of 4.0 in his major and has no alternative major open.

(g) at the middle of senior year
(1) has failed to attain at least three grades of $C$ minus or better during the first semester;
(2) has accumulated three or more deficiencies;
(3) has failed two courses during the semester;
(4) has received a midyear grade of E in a required major course;
(5) has fallen below an average of 4.0 in his major, unless the Committee on Academic Standing permits him to resign unconditionally.

(h) at the end of senior year
(1) has failed to attain at least three grades of $C$ minus or better during the second semester;
(2) has accumulated three or more deficiencies;
(3) has failed any course during the semester;
(4) receives a grade of less than 4.0 in his major field;
(5) fails the major examination.

Dean's List
All students who have attained a semester average of 8.00 or higher are elected to the Dean's List.

Graduation with Distinction
The faculty will recommend to the trustees that the degree of Bachelor of Arts $cum$ laude be conferred upon all members of the graduating class who have met the following standards. Students who have completed the work for the degree with honors and have obtained a four year grade average of:

8.00 to 9.24—Bachelor of Arts $cum$ laude.
9.25 to 10.24—Bachelor of Arts $magna$ cum laude.
10.25 or higher—Bachelor of Arts $summa$ cum laude.

Students who have not completed the work for the degree with honors, but who have obtained a four year grade average of:
9.00 or higher—Bachelor of Arts $cum$ laude.

Phi Beta Kappa
The standards for election to the Phi Beta Kappa Society are given on page 185.
COLLEGE REGULATIONS

Scholastic regulations and standards are described on pages 215-219. The honor system is described on page 184.

Order and Discipline

It is the aim of the college to encourage among undergraduates a sense of personal responsibility and self-government. The college and the College Council insists on good taste, gentlemanly conduct, and conformity with college rules. Rules governing conduct are enforced by the Dean with the advice and assistance of the student and faculty committees on discipline. The Student Committee on Discipline is appointed by the College Council. The Faculty Committee on Discipline consists of the Dean as secretary and members of the faculty appointed by the President. Final responsibility for undergraduate conduct rests with the Dean.

The Student Honor System and Discipline Committee meets jointly or separately with the Faculty Discipline Committee or the Dean on matters pertaining to the conduct of members of the student body. Every undergraduate is required to be thoroughly familiar with the college regulations as set forth in the booklet on college rules. Violations of these regulations make an individual liable to disciplinary action by the Dean, acting with the advice of the faculty and student committees on discipline.

Operation of Motor Vehicles

Freshmen and sophomores may not maintain or operate a motor vehicle while college is in session. They are permitted, however, to keep automobiles in dead storage in Williamstown for traveling during the college recesses. Permission to keep a car in dead storage must be secured from the Dean in advance. The license plates of dead storage cars must be filed in the college police office. While college is in session these automobiles are not to be used by anyone without permission of the college police or the Dean. If this rule is violated, both the owner and the operator will be held responsible.

Violation of these rules renders a student liable to suspension from college for a period of one year.
Occupancy of College Rooms

All students are required to reside in the college dormitories or in the fraternities, unless for special reasons they are permitted by the Dean to live off campus.

Freshmen are assigned to rooms by the admissions office. Sophomores and upperclassmen who are to reside in college dormitories are assigned to their rooms by a drawing system supervised by the treasurer's office. Any changes of room within the dormitories or moves to or from fraternity residence require the permission of the Dean or Dean of Freshmen. The room fee covers the period of the college term only and no occupancy of dormitories during vacation will be allowed except with special permission of the Dean.

Each room is provided with the essential articles of furniture, including desk, chair, table, chest of drawers, pillow, mattress, and bed. The student is expected to supply his own lamps, rugs, drapes, linen, and blankets. The room fee includes matron service for cleaning only.

Each occupant of a college room is required to fill out a statement indicating the condition of the room and a list of its contents upon occupancy and he is held responsible for all damage done to college property. No attachments to walls of dormitories, to plumbing, heating, and electric wiring are allowed without the permission of the Director of Physical Plant. Necessary repairs and redecorating are done by the college and may not be undertaken by students.

The use of any cooking appliance, refrigerator, or electrical appliances, except lamps, radios, phonographs, or razors, is not allowed except with the permission of the Director of Physical Plant. Detailed room regulations are posted in each dormitory.

Students who leave college, as well as those who are to change from one room to another, must remove all their own furniture and other property from their rooms immediately after the final examinations. Property not thus removed by the owner will be removed by the college, which assumes no responsibility for damage to or loss of articles. The college does not at any time insure students' personal property against loss by fire or theft.

All articles sent to the college by students during vacations should be shipped prepaid and should be marked with the name of the student and his room number, in care of the Director of Physical Plant.

Meals

Freshmen are required to eat in the freshman dining room of Baxter Hall.
and upperclassmen in the upperclass dining room in the same building, or in fraternities, unless excused by the Dean.

**Eligibility for Extracurricular Activities**

Eligibility to represent the college in any athletic, dramatic, literary, musical, or other organization as a member, substitute, or officer, is determined as far as academic standing is concerned at the *beginning and middle of each semester*.

A student is eligible for participation in these activities unless

1. he is on disciplinary warning or probation for irregularity of conduct or attendance;
2. he receives two E's in a five course schedule, or one E in a four course schedule;
3. he is made ineligible by vote of the Committee on Academic Standing because of a dangerously low record.

Freshmen are not eligible for intercollegiate varsity competition.

No student who enters by transfer from another college shall be eligible to represent the college in any intercollegiate contest for a period of two semesters after his entrance.

All competitors for college organizations are subject to the same eligibility rules as officers or other members of these organizations.

No sophomore from the same social group as the manager or assistant manager of a sport is eligible to compete for a managerial position in that sport.
PRIZES

The names of persons to whom awards have been made in 1959-60 are given in the back of this catalog.

Prizes in Special Studies

John Sabin Adriance Prize in Chemistry. From a fund given by John Sabin Adriance, 1882, a prize of $75 is given to the student who has maintained the highest rank in all courses offered by the department of chemistry.

Benedict Prizes. From a sum of money given by Erastus C. Benedict, 1821, once an instructor in the college, first ($25) and second ($15) prizes are awarded for excellence in biology, French, German, history, and mathematics.

Kenneth L. Brown, Class of 1947, Award in American Studies. From a fund established by his parents in memory of Kenneth L. Brown, $50 is awarded annually, at the end of his junior year, to a student specializing in some area of American studies, with preference given to students majoring in American history and literature and to candidates for the degree with honors. The student’s need as well as his ability is a factor in the award.

David Taggart Clark Prize. Established by a bequest from the estate of David Taggart Clark. $50 is awarded annually to a sophomore or freshman who excels in Latin declaration or recitation.

Conant-Harrington Prize in Biology. A prize founded by the class of 1893 in memory of two of their classmates is awarded upon the recommendation of the chairman of the department of biology for outstanding work done in biology.

Garrett Wright De Vries Memorial Prize. From a fund in memory of Garrett Wright De Vries ’32, given by his father, Dr. Joseph C. De Vries, a prize of $15 is awarded annually on recommendation of the department of Romanic Languages for excellence in Spanish.

Sherwood O. Dickerman Memorial Prize. In memory of Sherwood O. Dickerman, professor of Greek at Williams College, friends of Williams College and
Prizes

of the Classics donate annually a prize to a sophomore or freshman who has distinguished himself in his Greek studies.

_Dwight Botanical Prize._ A fund created by the bequest of Nellie A. Dwight to establish a prize in memory of her father, Henry A. Dwight, 1829. A sum of $50 is awarded annually to the student who maintains the highest standing in botany during the year.

_Gilbert W. Gabriel Memorial Award in Drama._ From a fund established in 1953 by a group of friends in memory of Gilbert W. Gabriel ’12, a cash prize is awarded to that senior who, during his four years, has made the most notable contribution to the advancement of theatre at Williams College. The committee of award includes the director of the Adams Memorial Theatre, one other faculty member, and the president of the Gargoyle Society.

_Arthur C. Kaufmann Prize in English._ In memory of Arthur C. Kaufmann ’99, a fund has been established by his fellow workers for a book prize awarded annually on the recommendation of the English department for excellence in English.

_J. Fitch King Prize in Chemistry._ An annual prize given anonymously in honor of the late Professor J. Fitch King, who taught chemistry at Williams for 23 years. A sum of $50 is awarded to a senior who is judged most likely to succeed in his graduate study of chemistry, preferably organic. The donor requests that the recipient use the money for his library of scientific books.

_Richard Ager Newhall Book Prize in European History._ In honor of Richard Ager Newhall, distinguished historian and teacher of history at Williams College, 1924-1956, the department of history awards a book to the freshman who writes the best essay in History 101-102 or 103-104.

_Rice Prizes._ Bequest of James Lathrop Rice for the encouragement of Latin and Greek scholarship. A prize of $150 is awarded to a junior or senior who has distinguished himself in Latin studies. A similar prize is awarded for distinguished work in Greek.

_Lawrence Robson Memorial Prize in Chemistry._ A prize of $400 to be awarded annually, beginning with the class of 1959, to the most outstanding and deserving student majoring in chemistry. The selection will be made by a committee of three members of the department of chemistry, one of whom will be the chairman of that department.

_Edward Gould Shumway Prize in English._ In memory of Edward Gould Shumway, 1871, a fund has been established by his daughter, Mary Shumway Adams, from which a prize of $75 is awarded annually to a senior major-
Prizes ing in English who has, in the judgment of the English department, done the most distinguished work in English literature and composition.

*Theodore Clarke Smith Book Prize in American History.* In honor of Theodore Clarke Smith, distinguished historian and teacher of history at Williams College, 1903–1938 and 1943–44, the department of history awards a book to the sophomore who writes the best essay in History 201–202 or 203–204.

*Karl E. Weston Prize for Distinction in Art.* In appreciation of Karl Weston’s great service to Williams College as teacher and as Director of the Lawrence Art Museum, a book prize is awarded each year at commencement to a senior majoring in art whose work has shown unusual brilliance, imagination, and industry.

**Essay Prizes**

To be considered for any of the following prizes, an essay must be submitted before May 1.

*Academy of American Poets Prize.* A prize of $100 to be awarded by the department of English in 1955 and in the four ensuing years for the best poem or group of poems by an undergraduate. This prize was made possible by a bequest of Mrs. Mary Cummings Eudy, a former member of the Academy. Ten colleges and universities in various parts of the United States participate, the others being The University of Chicago, The University of Virginia, Harvard University, Princeton University, Vassar College, Smith College, Rollins College, Stanford University, and Yale University.

*Henry Rutgers Conger Memorial Literary Prize.* Fund established by members of the class of 1899 for a prize of $75 awarded annually in memory of their classmate, Henry Rutgers Conger, for the best contribution of prose or poetry submitted to a literary magazine published by the undergraduates of the college, as judged by a committee from the department of English.

*Arthur B. Graves Fund.* Established by Arthur B. Graves, 1858, for six prizes of $20 each for the best six essays prepared by seniors on subjects assigned by the following departments: art, economics, history, philosophy, political science, religion. A further prize of $80 is awarded to the student “who shall deliver his essay in the most effective manner before a public audience.”

*Lathers Prize and Medal.* From a fund given by Richard Lathers, a cash prize of $50 and also a bronze medal, offered to the senior who writes the best essay of not less than one thousand words on the duty or relation of citizens to the government. The winning essay is sent to the *Springfield Republican* and a Pittsfield journal for publication.
Prizes

*Leverett Mears Prize in Chemistry.* A fund established by a member of the class of 1906 providing a prize of $60 for a paper on the application of chemistry to medicine. Competition is open to members of the sophomore, junior, and senior classes.

*Sentinels of the Republic Prize.* Income from a gift of the Sentinels of the Republic, an organization established in 1922 in Boston to oppose excessive governmental centralization. A $500 prize is offered for the best essay on a subject relating to the American Federal System of Government.

*William Bradford Turner Prize in History.* From the income of a fund given by the family of William Bradford Turner ’14, who was killed in action in France in September, 1918, a prize of $150. Awarded for the best thesis or essay in the field of American history or institutions presented by a student completing either the major in history, political science, or American history and literature.

*David A. Wells Prize.* From a bequest of David A. Wells, 1847, a prize of $500 may be awarded for an essay upon a subject in political economy. Competition is limited to seniors and to graduates of not more than three years' standing. A successful essay is printed and circulated by the college out of the residual income of the fund. Further information relating to the competition for this prize may be obtained from the chairman of the department of economics.

**General Prizes**

*Grosoenor Memorial Cup.* Given by the members of the Interfraternity Council of 1931 in memory of their fellow member, Allan Livingston Grosvenor. Awarded annually for one year to the junior who best exemplified the traditions of Williams. The committee of award consists of the chairman and the secretary of the College Council and three other members selected by the Council.

*Albert P. Newell Prize for Clear Thinking.* Bequest of the late Albert P. Newell ’05, who founded the *Williams Record* and was its first editor. A prize of $100 awarded to that senior “who has best demonstrated his ability to think clearly, and to express his thoughts clearly and concisely, whether verbally or in writing.” The faculty prize committee will consider recommendations by the editor of the *Record*.

*James C. Rogerson Cup and Medal.* Presented by Mrs. James C. Rogerson and the class of 1892 in memory of Mr. Rogerson, a member of that class. The cup, a permanent possession of the college, is awarded annually for one year by the President of the college to an alumnus or to a senior for service
Prizes

Prizes

and loyalty to the college and for distinction in any field of endeavor; a bronze medal is awarded for permanent possession of the recipient.

Scholarship Trophy. Awarded annually by the Faculty Club of Williams College to the social group of highest scholastic rank. The trophy becomes the permanent possession of the social group which first wins the award three times consecutively.

William Bradford Turner Citizenship Prize. From a fund established in memory of William Bradford Turner '14, who was killed in action in France in September, 1918, a prize of $200, with a bronze medal, is awarded to the member of the graduating class who, in the judgment of the faculty and of the graduating class, has best fulfilled during his course his obligations to the college, his fellow students, and himself. The committee of award, appointed by the President of the college, is composed jointly of faculty members and members of the graduating class.

Rhetorical Prizes

Dewey Prize. A prize of $50, founded by Francis Henshaw Dewey, 1840, and awarded to the member of the graduating class who presents the most creditable oration in point of composition and delivery at the commencement exercises.

Graves Prize for Delivery of Essay. To the winner of the Graves essay prize who delivers his essay in the most effective manner, a prize of $80 is awarded. Like the Graves essay prizes, established by Arthur B. Graves, 1858.

Rhetorical Prizes. On Friday preceding commencement five speakers appointed from the junior and senior classes deliver original speeches in competition. First and second prizes are awarded, the income for which comes in part from a fund given by Elizur Smith of Lee.

The trustees of the college offer first and second prizes of $20 and $10 to members of the freshman class for excellence in intercollegiate debating.

The Stone Interfraternity Debate Trophy. A silver bowl given by James H. Stone '48, in honor of his father, Jacob C. Stone '14, and awarded annually to the fraternity placing highest in the interfraternity debate contest.

Van Vechten Prize. A prize of $50, established by A. V. W. Van Vechten, 1847, awarded for impromptu speaking. The assignment of this prize is made by a committee of the faculty on the basis of a public competition.

Athletic Prizes

Francis E. Bowker, Jr., Swimming Prize. A cup given by the late Francis E. Bowker, Jr., an alumnus of the college, to the college champion in swimming.
Prizes

E. Bowker, Jr. ’08, on which is engraved year by year the name of the winner of a meet open to all students who are not members of the college swimming team.

*Belvidere Brooks Memorial Medal.* Purchased from a fund established by alumni of the college, friends of Captain Belvidere Brooks ’10, who was killed in action at Villeshavoye, France, August 21, 1918. This medal is presented at the close of the football season by the President of the college to the member of the team whose playing during the season has been of the greatest credit to the college. No person shall receive the medal more than once. Awarded by a committee made up of the chairman of the faculty committee on athletics, the head coach, and the manager of the team.

*Canby Athletic Scholarship Prize.* A prize of $50, established by W. Marriott Canby, 1891, and awarded at commencement to the senior who has attained the highest average standing in scholarship during his course. The recipient must have been in college since the beginning of his junior year, and must have represented the college in a recognized intercollegiate athletic contest.

*Fox Memorial Soccer Trophy.* A perpetual trophy in tribute to the inspiring qualities of leadership and integrity which distinguished Myles Fox, Williams soccer captain, killed in action on Tulagi while serving with the United States Marine Corps.

Each year there shall be inscribed on the trophy the name of the soccer player whose achievements of character and sportsmanship best typify those of the “Skipper.”

The trophy was awarded anonymously by a Williams alumnus in 1953. The committee on selection consists of the director of athletics, the coach, and the manager of the soccer team.

*Golf Trophy.* A silver bowl presented in 1952 on the fiftieth anniversary of the first Williams golf team by four members of that team; Richard H. Doughty ’03, Richard W. Northrup ’04, E. Donaldson Clapp ’04, and Edward A. Clapp ’06. On this trophy is inscribed each year the name of the winner of the annual college golf tournament, who also receives a smaller trophy for his permanent possession.

*Robert B. Muir Swimming Trophy.* Presented in 1960 by Mr. and Mrs. George S. Dively, parents of Michael A. Dively ’61. Awarded annually to the outstanding varsity swimmer on the basis of performance, leadership, and sportsmanship. The committee on selection consists of the director of athletics, the coach, and the manager of the swimming team.

*Anthony Plansky Award.* Given in 1953 by George M. Steinbrenner, III
Prizes

'52, and awarded annually to the best varsity track athlete on the basis of performance, leadership, and sportsmanship. On the trophy will be inscribed the name of the winner, who will also receive a smaller trophy for his possession. The committee on selection consists of the director of athletics, the head coach of track, and Jimmy MacArthur, athletic equipment manager.

Leonard S. Prince Memorial Swimming Prize. In memory of Leonard Sidney Prince '14, donated by his father, S. S. Prince. Presented to the member or members of the freshman class who are successful in a swimming and diving meet open to all freshmen and held prior to the selection of the college swimming team.

Paul B. Richardson Swimming Trophy. A permanent trophy of bronze presented by Mr. Paul B. Richardson of Belmont, on which is recorded each year the name of the swimmer or diver winning the greatest number of points in dual collegiate meets during the swimming season.

Robert W. Johnston Memorial Trophy. Presented by the members of Delta Kappa Epsilon in memory of Robert Woodall Johnston '49. Awarded annually to the most valuable varsity baseball player, whose name is inscribed on the trophy. The choice of the most valuable player is made by the athletic director, the coach, and the manager of varsity baseball.

Lacrosse Award. A silver plaque presented in 1959 by the Williams College Alumni Association of Maryland as a permanent trophy on which is inscribed each year the name of the outstanding varsity lacrosse player. The winner, who is selected by the director of athletics and the coach and manager of lacrosse, will receive a miniature replica of the plaque for his possession.

Lehman Cup Track Competition. Cups presented by Herbert H. Lehman '99 as prizes at the track meet conducted each spring.

Purple Key Trophy. A trophy, awarded for the first time in 1958, for the senior letter-winner who best exemplifies leadership, team spirit, ability, and character. Chosen by the director of athletics, president of the Purple Key, two members of the athletic department, and one faculty member chosen by the Purple Key.

Michael D. Rakov Memorial Award. Presented in 1957 by the members of Alpha Delta Phi, to be awarded annually to the member of the varsity football team who, in the opinion of his coaches, is the most improved lineman, and who possesses superior qualities of leadership, aggressiveness, and determination.

Rockwood Tennis Cup Prize. In memory of Lieutenant Richard Burton Rockwood '16, who was killed in action in France, his mother, Mrs. R. L.
Prizes

Rockwood, has given a fund to provide a cup to be awarded annually to the winner of the singles in the fall tennis tournament.

*Charles Dewoody Salmon Award.* Presented in 1960 by his former teammates in memory of Captain Charles D. Salmon, USAF, former Little All-American guard and captain of the 1951 Williams College football team, killed in the service of his country. Awarded to that sophomore member of the varsity football squad who, in the opinion of the coaching staff, has made the most significant contribution to the varsity football team in his first year of eligibility. Presented by the team of 1951 in the sincere hope that it will serve to inspire the recipients in the years to follow to seek the same supreme qualities of performance and leadership which Chuck Salmon exemplified.

*Squash Racquets Prizes.* A silver cup presented by the donors of the squash racquets building, Clark Williams, 1892, John P. Wilson '00, and Quincy Bent '01, as a permanent trophy to be competed for in an annual elimination tournament for students. The names of the winner and the runner-up are added to the trophy each year. The former receives a miniature silver replica of the cup and the latter a silver tray.

*Scribner Memorial Tennis Trophy.* A plaque presented in 1954 by his friends in memory of Frederick M. Scribner, Jr., class of '49, killed in action in Korea on February 20, 1953. This trophy is awarded annually to the member of the varsity tennis team who best combines sportsmanship, team spirit, and character. The committee on selection consists of the director of athletics, the varsity tennis coach, and the varsity tennis manager.

*Oswald Tower Award.* A plaque in honor of the contribution of Oswald Tower '07 to basketball, as editor of the Basketball Rules for forty-four years and as a basketball rules interpreter. Presented in 1960, by former Williams players, to the most valuable player of the Williams basketball team in the opinion of the coaches and manager. A smaller plaque will be presented each year for permanent possession.

*Ralph J. Townsend Ski Trophy.* Presented in 1959 by former members of Williams skiing teams for the varsity skier who best exhibits the qualities of sportsmanship, competition, and team spirit associated with Williams and skiing.

*Young-Jay Hockey Trophy.* Presented by George G. Young '38 and John C. Jay '38. A silver cup on which is inscribed annually the name of a member of the Williams varsity hockey team notable for "loyalty and devotion to the interests of Williams hockey; courage, self-control, and modesty; perseverance under discouraging circumstances; and a sense of fair play towards his teammates and his opponents." Committee on selection consists of the director of health, the director of athletics, the head coach, and the manager of the team.
TRUSTEES

James Phinney Baxter, 3rd, Ph.D., Litt.D., L.H.D., D.Sc., LL.D., President
*Alfred Shriver, B.A., West New Brighton, Staten Island, N. Y.
**James Berwick Forgan, LL.D., Lake Forest, Ill.
Henry Needham Flynt, B.A., L.H.D., Greenwich, Conn.
John E. Sawyer, M.A., New Haven, Conn.
Frederick V. Geier, B.A., LL.D., Cincinnati, Ohio
Willard N. Boyden, B.A., Lake Forest, Ill.
M. Michael Griggs, B.A., Greenwich, Conn.
Jacob C. Stone, B.A., New York, N. Y.
Allan R. Phipps, B.A., LL.B., Denver, Colorado
Joseph D. Stockton, B.A., Chicago, Ill.
Hugh Bullock, B.A., LL.D., New York, N. Y.
Stanley Phillips, B.A., Montclair, N. J.
Charles Allen Foehl, Jr., B.A., LL.B., Secretary

TRUSTEES EMERITI


*Resigned January 18, 1960 and appointed Trustee Emeritus
**Retired January 12, 1960 and appointed Trustee Emeritus
Trustees

TRUSTEE COMMITTEES FOR 1959-1960


Finance Committee: Jacob C. Stone, Chairman; James B. Forgan, Chairman**, Alfred Shriver***, Willard N. Boyden, Frederick V. Geier, Hugh Bullock.

Committee on Instruction: John E. Sawyer, Chairman; Jay B. Angevine, Arthur B. Perry, William E. Park, Alfred E. Driscoll.

Committee on Grounds, Buildings, and Improvements: Henry N. Flynt, Chairman; Ferdinand K. Thun, Frederick V. Geier, John E. Sawyer, Alfred E. Driscoll.


Budget Committee: Mark W. Cresap, Jr., Chairman; Ferdinand K. Thun, Jay B. Angevine, Henry N. Flynt, M. Michael Griggs, Allan R. Phipps, Joseph D. Stockton.

Committee on Development: Jay B. Angevine, Chairman; Willard N. Boyden, Mark W. Cresap, Jr., Alfred E. Driscoll, Henry N. Flynt, James B. Forgan**, M. Michael Griggs, Ferdinand K. Thun, Joseph D. Stockton, Stanley Phillips, Chairman, Alumni Fund; A. Stuart Peabody, Chairman Emeritus, Alumni Fund; Paul H. C. Haggard, President, Society of Alumni; Ira Hawkins, President Emeritus, Society of Alumni; Charles A. Foehl, Jr., Treasurer; Charles B. Hall, Executive Secretary, Alumni Fund; Willard D. Dickerson, Secretary.

*The President is ex-officio a member of all Trustee Committees
**Retired January 12, 1960
***Resigned January 18, 1960

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FACULTY*

James Phinney Baxter, 3rd, Ph.D., Litt.D., L.H.D., D.Sc., LL.D. 212 Main Street

President

Theodore Clarke Smith, Ph.D., L.H.D.
Woodrow Wilson Professor of American History and Government, Emeritus

William Howard Doughty, Jr., LL.B.
David A. Wells Professor of Political Science, Emeritus

John Sayward Galbraith, M.A.
Associate Professor of Greek and Latin, Emeritus

Samuel Edward Allen, M.A.
Associate Professor of English, Emeritus

Elmer Irwin Shepard, M.A.
Associate Professor of Mathematics, Emeritus

Walter Wallace McLaren, Ph.D., LL.D.
William Brough Professor of Economics, Emeritus

Edwin Allen Locke, M.D.
Director of Health and Athletics, Emeritus

Carl Wilhelm Johnson, Ph.D.
Associate Professor of German, Emeritus

Brainerd Mears, Ph.D.
Ebenezer Fitch Professor of Chemistry, Emeritus

Harry Leslie Agard, Ph.D.
Professor of Mathematics, Emeritus

John Preston Comer, Ph.D.
A. Barton Hepburn Professor of Government, Emeritus

Volney Hunter Wells, Ph.D.
Professor of Mathematics, Emeritus

Michele Angelo Vaccariello, B.A.
Professor of Romanic Languages, Emeritus

Richard Ager Newhall, Ph.D., Litt.D.
Brown Professor of History, Emeritus

*Arranged in order of appointment to rank

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Faculty

Elbert Charles Cole, Ph.D.  Middlebury, Vermont
Samuel Fessenden Clarke Professor of Biology, Emeritus

Carl Sherman Hoar, Ph.D.  56 Glen Road
Professor of Biology, Emeritus

Nelson Sherwin Bushnell, Ph.D., Litt.D.  South Williamstown
John Hawley Roberts Professor of English, Emeritus

George McLean Harper, Jr., Ph.D.  Stetson Court
Garfield Professor of Ancient Languages

Frederick Lewis Schuman, Ph.D.  80 Main Street
Woodrow Wilson Professor of Government

Franzo Hazlett Crawford, B.A. (Oxon), Ph.D.  Stone Hill Road
Thomas T. Read Professor of Physics

*Elliot Mansfield Grant, Ph.D.  Lyme, New Hampshire
Alumni Fund Professor of Romanic Languages

John William Miller, Ph.D.  35 Grace Court
Mark Hopkins Professor of Intellectual and Moral Philosophy

Donald Everett Richmond, Ph.D., D.Sc.  Jamieson Heights
Frederick Latimer Wells Professor of Mathematics and
**Chairman Pro Tempore of the Faculty

Elwyn Lionel Perry, Ph.D.  19 Moorland Street
Edward Brust Professor of Geology and Mineralogy

***Samuel Arthur Matthews, Ph.D.  Woodcock Road
Samuel Fessenden Clarke Professor of Biology and
****Chairman Pro Tempore of the Faculty and
Adviser to Premedical Students

Ralph Philip Winch, Ph.D.  24 Bingham Street
Barclay Jermain Professor of Natural Philosophy and
Liaison Officer for Williams-M.I.T. Combined Plan

Samson Lane Faison, Jr., M.A., M.F.A.  College Place
Amos Lawrence Professor of Art and Director of Lawrence Art Museum

Howard Parker Stabler, Ph.D.  186 Main Street
Professor of Physics

James Rowland Curry, Ph.D.  Whitman Street
Ebenezer Fitch Professor of Chemistry

Robert R. R. Brooks, B.A. (Oxon), Ph.D.  Bee Hill Road
Dean and Orrin Sage Professor of Economics

*On leave 1959-60
**First semester 1959-60
***On sabbatical leave first semester 1959-60
****Second semester 1959-60
Thomas Van Ordin Urmy, M.D.  
_Baxter Road_  
_Director of Health_

Arthur Freeman Jenness, Ph.D.  
_40 Grace Court_  
_Professor of Psychology_

Wyllis Eaton Wright, M.A., B.S.  
_9 Moorland Street_  
_Librarian_

Winthrop Hegeman Root, Ph.D.  
_128 Main Street_  
_William Dwight Whitney Professor of German Literature_

*Allyn Jay Waterman, Ph.D.*  
_Lee Terrace_  
_Mary A. and William Wirt Warren Professor of Biology_

Theodore Greffe Mehlin, Ph.D.  
_25 School Street_  
_Field Memorial Professor of Astronomy_

**Robert Joseph Allen, Ph.D.*  
_21 South Street_  
_John Hawley Roberts Professor of English_

***Emile Despres, B.S.*  
_Gale Road_  
_William Brough Professor of Economics_

****Vincent MacDowell Barnett, Jr., Ph.D.*  
_West Main Street_  
_A. Barton Hepburn Professor of Government_

George Gartland Connelly, B.A., LL.B.  
_Colonial Village_  
_Professor of Public Speaking_

Frank Rodger Thoms, Jr., B.A., M.B.A.  
_Stetson Court_  
_Director of Athletics_

Robert George Barrow, Mus.M.  
_Stetson Court_  
_Professor of Music_

**Lawrence Wilson Beals, Ph.D.*  
_Stetson Court_  
_Professor of Philosophy_

****Antonio Garcia de Lahiguera, Doctor en Derecho**  
_Old Faculty Club_  
_Professor of Romanic Languages_

Luther Stearns Mansfield, Ph.D.  
_Stetson Court_  
_Professor of History and Literature_

Whitney Snow Stoddard, Ph.D.  
_Gale Road_  
_Professor of Art_

Robert Charles Lewis Scott, Ph.D.  
_Denison Park_  
_J. Leland Miller Professor of American History, Literature, and Eloquence_

Fred Holly Stocking, Ph.D.  
_Stetson Court_  
_Morris Professor of Rhetoric_

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*On sabbatical leave second semester 1959-60*  
**On sabbatical leave 1959-60*  
***On leave beginning January 1, 1960*  
****On leave 1959-60*
Faculty

*James MacGregor Burns, Ph.D.
  Professor of Political Science
  115 Park Street

Maurice Wescott Avery, Ph.D.
  Professor of Greek and Latin
  Spring Street

William Harvey Pierson, Jr., M.F.A., Ph.D.
  Professor of Art
  50 South Street

William Graham Cole, B.D., Ph.D.
  Dean of Freshmen and Cluett Professor of Religion
  Jamieson Heights

Freeman Foote, B.A.
  Professor of Geology
  Cold Spring Road

*Kermit Gordon, B.A.
  Professor of Economics
  College Place

Chester Wallace Jordan, Jr., F.S.A.
  Professor of Mathematics
  Stetson Court

Giles Playfair, B.A. (Oxon)
  Director of Adams Memorial Theatre and Professor of Drama
  226 Main Street

Charles Daniel Compton, Ph.D.
  Professor of Chemistry
  Stetson Court

Frederick Cleveland Copeland, Ph.D.
  Director of Admissions and Professor of Biology
  Fort Hoosac Place

Edward Godfrey Taylor, Ph.D.
  Professor of Chemistry
  6 Stetson Court

James Clay Hunt, Ph.D.
  Professor of English
  Old Faculty Club

**Robert George Leeson Waite, Ph.D.
  Professor of History
  Talcott Road

William Byram Gates, Jr., Ph.D.
  Professor of Economics
  68 South Street

Charles William Wegener, Ph.D.
  Visiting Professor of Philosophy
  Talcott Road

Jackson Professor of Christian Theology

Hales Professorship of Psychology

James Edwin Bullock, M.A.
  Associate Professor of Physical Education
  Harmon Pond Road

*On leave second semester 1959-60
**On sabbatical leave 1959-60
Faculty

Richard Oliver Rouse, Jr., Ph.D.
Associate Professor of Psychology
Harmon Pond Road

John Drew O'Neill, Ph.D.
Associate Professor of English
Old Faculty Club

Paul Gordon Clark, Ph.D.
Associate Professor of Economics
7 Southworth Street

Irwin Shainman, M.A.
Associate Professor of Music and Curator of the Whiteman Collection
Baxter Road

Fred Greene, Ph.D.
Associate Professor of Political Science
Grundy Court

Henry William Oliver, Ph.D., Associate Professor of Mathematics
245 Main Street

David Allen Park, Ph.D., Associate Professor of Physics
4 Chapin Court

Philip Kay Hastings, Ph.D.
Associate Professor of Psychology and Political Science and Director of the Roper Public Opinion Research Center
Bulkley Street

Guilford Lawson Spencer, II, Ph.D.
Associate Professor of Mathematics
Colonial Village

Anson Conant Piper, Ph.D.
Associate Professor of Romanic Languages
Baxter Road

John Kenneth Savacool, B.A.
Associate Professor of Romanic Languages
51 Park Street

*Charles Frederick Rudolph, Jr., Ph.D.
Associate Professor of History
Ide Road

Harold Hubbard Warren, Ph.D.
Associate Professor of Chemistry
Old Faculty Club

John Henry Power, Ph.D., Associate Professor of Economics
68 South Street

Peter Rieser, Ph.D., Visiting Associate Professor of Biology
51 Park Street

Robert Bruce Muir, M.A., Assistant Professor of Physical Education
Baxter Road

Clarence Church Chaffee, M.A.
Assistant Professor of Physical Education
20 Glen Street

Anthony Plansky, B.Ed., M.A.
Assistant Professor of Physical Education
33 Southworth Street

Raymond Frank Coombs, B.A.
Assistant Professor of Physical Education
2 Mt. Williams Drive

Leonard Alvyn Watters, B.P.E.
Assistant Professor of Physical Education
Baxter Road

Alex John Shaw, M.A.
Assistant Professor of Physical Education
Baxter Road

*On leave second semester 1959-60
Faculty

RALPH JOSEPH TOWNSEND, M.S.  37 Southworth Street
  Assistant Professor of Physical Education and
  Supervisor of the Williams Outing Club

RUSSELL HENRY BASTER, PH.D., Assistant Professor of History  Stetson Court

ROBERT NEILL ELLISON MEGAW, PH.D., Assistant Professor of English  3 Chapin Court

DON CREIGHTON GIFORD, B.A.  College Place
  Assistant Professor of English

ROBERT COLE RAMSDELL, M.A., Assistant Professor of Geology  1 Chapin Court

GERALD EUGENE MYERS, PH.D.  Williams Hall Annex
  Assistant Professor of Philosophy

JOHN WESLEY CHANDLER, PH.D.  Grace Court
  Assistant Professor of Religion

JOHN ARCHIBALD MACFADYEN, JR., M.S.  265 West Main Street
  Assistant Professor of Geology

WILLIAM CHASE GRANT, JR., PH.D.  Denison Park
  Assistant Professor of Biology

ROBERT V. DILTS, PH.D., Assistant Professor of Chemistry  Sage Hall Annex

SAMUEL KERMIT EDWARDS, M.A. (Oxon)  Sage Hall Annex
  Assistant Professor of Classics and Director of Student Union Activities

MURRAY SACHS, PH.D.  Forget-Me-Not Inn
  Assistant Professor of Romanic Languages

*JOHN BERNARD SHEAHAN, PH.D.  Forget-Me-Not Inn
  Assistant Professor of Economics

**DWIGHT JAMES SIMPSON, B.LITT. (Oxon), PH.D.  13 Park Street
  Assistant Professor of Political Science

MACALISTER BROWN, PH.D.  Stetson Road
  Assistant Professor of Political Science

FRANK FREDERICK NAVARRO, B.S.  Whitman Street
  Assistant Professor of Physical Education

*WILLIAM CARPENTER HOLLINGER, B.A.  51 Park Street
  Assistant Professor of Economics

ROBERT MARVIN KOZELKA, PH.D.  39 Belden Street
  Assistant Professor of Mathematics

HARLAN PHILIP HANSON, PH.D., Assistant Professor of German  5 Chapin Court

FRED STEPHEN LIGHT, PH.D., Assistant Professor of Art  Forget-Me-Not Inn

JOHN CORNELIUS RENSENBRINK, PH.D.  68 South Street
  Assistant Professor of Political Science

*On leave 1959-60
**On leave second semester 1959-60
SYDNEY EISEN, PH.D., Assistant Professor of History
ROBERT LEE GAUDINO, PH.D., Assistant Professor of Political Science
LOUIS CELESTINO PÉREZ, PH.D., Assistant Professor of Romanic Languages
GEORGE ISRAEL BRACHFELD, PH.D., Assistant Professor of Romanic Languages

Robert Lee Gaudio, Ph.D., Assistant Professor of Political Science
78 Main Street
Louis Celestino Pérez, Ph.D., Assistant Professor of Romanic Languages
Luce Road
George Israel Brachfeld, Ph.D., Assistant Professor of Romanic Languages
Luce Road
Herbert Lee Hirsch, B.F.A., Assistant Professor of Art
Gracie Court
William C. Blight, Ph.D., Assistant Professor of Biology
Gracie Court
Lawrence Paul DeBoer, Ph.D.
Chaplain and Assistant Professor of Religion
260 Main Street
Icko Almarin Iben, Jr., Ph.D., Assistant Professor of Physics
44 Meacham Street
Roy Edward Moor, Ph.D., Assistant Professor of Economics
Stetson Road
George Finlay Simmons, Ph.D.
Assistant Professor of Mathematics
Cold Spring Road
Victor Yellin, Ph.D., Assistant Professor of Music
176 Main Street
Dudley Ward Rhodes Bahlman, Ph.D.
Assistant Professor of History
27 Southworth Street
Fielding Brown, Ph.D., Assistant Professor of Physics
85 Park Street
John Francis Butler, M.A., Visiting Assistant Professor of English
Blair Road
Horace E. DeLisser, B.A.
Assistant Professor of Physical Education
277 West Main Street
Thomas Griswold, M.Mus., Assistant Professor of Music
Forget-Me-Not Inn
Monroe Zelig Haftor, Ph.D.
Assistant Professor of Romanic Languages
Williams Hall Annex
William Edmond McCormick, B.S.
Assistant Professor of Physical Education
8 Woodlawn Drive
William D. McHenry, B.S.
Assistant Professor of Physical Education
Whitman Street
J. Hodge Markgraf, Ph.D., Assistant Professor of Chemistry
Stetson Road
Orville Theodore Murphy, Jr., Ph.D.
Assistant Professor of History
Stetson Road
Charles Garfield Nauert, Jr., Ph.D.
Assistant Professor of History
5 Waterman Place
*William G. Hoards, B.S., Assistant Professor of Economics
106 East Main Street
John Gerald Sproat, Ph.D., Assistant Professor of History
68 South Street
**William R. Stanton, Ph.D., Assistant Professor of History

*Second semester 1959-60
**On leave 1959-60
*Kurt Philip Tauber, Ph.D. 68 North Hoosac Road
Visiting Assistant Professor of Political Science

Laszlo Gaspar Versenyi, Ph.D. Williams Hall Annex
Assistant Professor of Philosophy

Richard S. Weckstein, Ph.D., Assistant Professor of Economics 21 South Street

William Jay Smith, A.M. North Pownal, Vermont
Poet in Residence and Lecturer in English

*Alan MacKenzie Pope, B.A. Great Barrington
Visiting Lecturer in Economics

Michael Daniel Reagan, M.A. 19 Hoxsey Street
Lecturer in Political Science

Joseph Rene Altott, M.Ed. 85 Spring Street
Instructor in Physical Education

Sanford Katz, Ph.D., Instructor in Psychology Stetson Road

William Alfred Little, M.A., Instructor in German 25 Hoxsey Street

Robert Toshio Miki, M.A., Instructor in Economics Stetson Road

W. Ralph Aiken, Jr., B.A. (Oxon) Williams Hall Annex
Instructor in English

Doris deKeyserlingk, M.A., Instructor in Russian 77 Spring Street

James Proctor Lusardi, M.A., Instructor in English Stetson Road

Grover Edwin Marshall, M.A. Williams Hall Annex
Instructor in Romanic Languages

Thomas Patrick Roche, Jr., Ph.D., Instructor in English 35 Park Street

Alan Wilde, Ph.D., Instructor in English 35 Park Street

Ogden G. Brandt, B.E. 272 1/2 West Main Street
Part-time Visiting Instructor in Physics

Manuel Finkelstein, Ph.D. P.O. Box 233, Williamstown
Part-time Visiting Instructor in Chemistry

Mrs. Herbert Lee Hirsche, M.A. Grace Court
Part-time Instructor in Romanic Languages

Hugh William Kirkpatrick, B.M.E. North Hoosac Road
Part-time Visiting Instructor in Physics

John J. Randall, Jr., Ph.D. 102 Cole Avenue
Part-time Visiting Instructor in Chemistry

Donald M. Smyth, Ph.D. Sloan Road
Part-time Visiting Instructor in Chemistry

Robert T. Mathews, B.A. Sage Hall Annex
Assistant to the Director of the Adams Memorial Theatre and Instructor in Drama

James Higgins Cassedy, Ph.D., Instructor in History Stetson Road

*Second semester 1959-60
Mrs. William Graham Cole, B.A., Part-time Instructor in Religion  Jamieson Heights
Robert Oakley Collins, Ph.D., Instructor in History  Stetson Road
*Helen Donega, B.S.  64 Richmond Avenue, North Adams
Part-time Visiting Instructor in Chemistry
George Fulton Folkers, B.A., Instructor in German  Stetson Road
*William Hall Harter, M.A.T.  23 Southworth Street
Assistant Director of Admissions and Part-time Instructor in History
John Michael Hyde, M.A., Instructor in History  35 Park Street
Warren Frederick Ilchman, B.A.  Williams Hall Annex
Instructor in Political Science
James Griffith Taaffe, M.A., Instructor in English  Stetson Road
*Donald Reed Whitehead, Ph.D., Instructor in Biology  Sloan Road
Thomas Miller Woodson, M.A., Instructor in English  Williams Hall Annex
Radford Byerly, Jr., B.A., Graduate Assistant in Physics  Sage Hall Annex
Dennis Francis Doucette, B.A., Graduate Assistant in Physics  Sage Hall Annex
Richard Charles Lehrbach, B.A., Graduate Assistant in Biology  Sage Hall Annex
Robert Leroy Severance, B.A., Graduate Assistant in Physics  Sage Hall Annex
Richard Charles Moore, B.A., Graduate Assistant in Biology  Sage Hall Annex
Edward Conrad Reifenstein, III, B.A.  59 Latham Street
Graduate Assistant in Physics

ATHLETIC COACHES

Leonard Alvyn Watters, B.P.E., Varsity Football, Freshman Baseball  Baxter Road
Anthony Plansky, B.Ed., M.A.  33 Southworth Street
Varsity Cross Country, Freshman Cross Country, Winter Track Relay,
Varsity Track, Freshman Track

Robert Bruce Muir, M.A.  Baxter Road
Varsity Soccer, Varsity Swimming, Freshman Swimming

Clarence Church Chaffee, M.A.  20 Glen Street
Varsity Soccer, Varsity Squash, Freshman Squash, Varsity Tennis, Freshman Tennis

Raymond Frank Coombs, B.A.  2 Mt. Williams Drive
Freshman Football, Freshman Basketball, Varsity Baseball

Alex John Shaw, M.A.  Baxter Road
Varsity Football, Varsity Basketball, Freshman Lacrosse

Richard Baxter, Varsity Golf  Meacham Street
Ralph Joseph Townsend, M.S.  37 Southworth Street
Varsity Skiing, Freshman Skiing, and Supervisor of all activities of the Williams Outing Club

*Second semester 1959-60
Athletic Coaches, Libraries

WILLIAM EDMOND MCCORMICK, B.S.  
8 Woodlawn Drive  
Varsity Hockey, Freshman Hockey

FRANK FREDERICK NAVARRO, B.S.  
Whitman Street  
Varsity Football, Freshman Wrestling, Freshman Baseball

HENRY NEEDHAM FLYNT, JR., B.A., Freshman Soccer  
83 South Street

ROBERT COLE RAMSDELL, M.A., Freshman Soccer  
1 Chapin Court

HORACE E. DELLISER, B.A.  
277 West Main Street  
Varsity Football, Varsity Wrestling, Freshman Wrestling, Varsity Baseball

WILLIAM D. McHENRY, B.S., Freshman Football, Varsity Lacrosse  
Whitman Street

JOSEPH RENE ALTOTT, M.Ed., Trainer  
85 Spring Street

BURT R. RAY, B.S., Trainer  
91 Spring Street

LIBRARIES

Stetson Library

WYLLIS EATON WRIGHT, M.A., B.S., Librarian  
9 Moorland Street

DONALD EDWIN CARY, B.A., B.S., Assistant Librarian  
37 Southworth Street

MARY CECELIA MCMINERNEY, B.S., Head Cataloger  
18 Southworth Street

JUANITA TERRY, M.A., M.S., Reference Librarian  
71 Spring Street

HELENA K. WRIGHT, B.A., B.S., Circulation Librarian  
9 Moorland Street

KATHERINE B. CUNNINGHAM, B.A., Circulation Librarian  
Bulkley Street

LOIS SMITH, B.A., Library Assistant  
280 West Main Street

Anna L. Waterman, B.A., Library Assistant  
Lee Terrace

Isabelle G. King, Library Assistant  
Pownal Center, Vermont

GRETCHEN L. DOUCETTE, B.A., Clerical Assistant  
Sage Hall Annex

EDITH M. CARY, Clerical Assistant  
37 Southworth Street

WILLIAM J. CARTWRIGHT, B.A., Clerical Assistant  
32 Southworth Street

MARY T. CONNELLY, Ph.B., Secretary to the Librarian  
Colonial Village

Chapin Library

H. RICHARD ARCHER, PH.D., Custodian of Chapin Library  
11 Park Street

REX PARADY, Assistant in the Chapin Library  
44 Arnold Street
OFFICERS OF ADMINISTRATION

Office of the President

Donald Everett Richmond, Ph.D., D.Sc. Hopkins Hall
*Chairman Pro Tempore of the Faculty

**Samuel Arthur Matthews, Ph.D. Thompson Biology Laboratory
***Chairman Pro Tempore of the Faculty

Kathleen A. O'Connell, B.A., Secretary to the President Hopkins Hall
Willard D. Dickerson, B.A., Director of Development Jesup Hall

Office of the Deans and Registrar
Robert R. R. Brooks, B.A. (Oxon), Ph.D., Dean Hopkins Hall
William Graham Cole, B.D., Ph.D., Dean of Freshmen Hopkins Hall
Kathryn McCraw, Registrar and Editor Hopkins Hall
Henry Needham Flynt, Jr., B.A., Assistant Dean Hopkins Hall

Office of Admissions
Frederick Cleveland Copeland, Ph.D., Director of Admissions Hopkins Hall
Philip Freeland Smith, M.A.T., Assistant Director of Admissions Hopkins Hall
****William Hall Harter, M.A.T., Assistant Director of Admissions Hopkins Hall
Charles Arthur Schweighauser, B.A., Assistant in Admissions Office Hopkins Hall

Office of the Treasurer
Charles Allen Foehl, Jr., B.A., LL.B., Treasurer Hopkins Hall
Charles Denison Makepeace, B.A., LL.D., Treasurer, Emeritus Denison Park
Earle Olmstead Brown, Assistant Treasurer, Emeritus Saulnier Drive
Shane Edwin Riorden, B.A., LL.B., Assistant Treasurer Hopkins Hall
Peter Welanetz, B.S., Director of Physical Plant Spring Street

Office of the Chaplain
Lawrence Paul DeBoer, B.D., Chaplain Baxter Hall

Office of Health
Thomas V. Urmy, M.D., Director of Health Thompson Infirmary
Robert K. Davis, M.D., Physician Thompson Infirmary
H. Collier Wright, M.D., Physician Ide Road
Edward J. Coughlin, M.D., Surgeon Ide Road

*First semester 1959-60
**On sabbatical leave first semester 1959-60
***Second semester 1959-60
****Second semester 1959-60

- 243 -
Officers of Administration, Faculty Committees

Jule P. Miller, M.D., Psychiatrist
Robert A. Harris, Ph.D., Clinical Psychologist
Kenneth Thomas Rogers, Physiotherapist
Carolyn E. Hall, R.N., Chief Nurse

Office of Athletics
Frank R. Thoms, Jr., B.A., M.B.A., Director of Athletics

Office of Student Aid
Henry Needham Flynt, Jr., B.A., Director

Lawrence Art Museum
Samson Lane Faison, Jr., M.A., M.F.A., Director
Stephen McNicol, Assistant to the Director

Adams Memorial Theatre
Giles Playfair, B.A. (Oxon), Director
Robert T. Mathews, B.A., Assistant to the Director

Alumni Office
Charles B. Hall, B.A., Secretary of the Society of Alumni
Executive Secretary of the Alumni Fund
John P. English, M.B.A., Assistant Secretary of the Society of Alumni
Assistant Secretary of the Alumni Fund
Ralph R. Renzi, B.A., Editor of the Alumni Review
John C. Hitchcock, B.A., Assistant Editor of the Alumni Review

Placement Bureau
Manton Copeland, Jr., B.A., Director

College News Office
Ralph R. Renzi, B.A., News Director
John C. Hitchcock, B.A., Assistant News Director

Dining Hall
Sydney M. Chisholm, Director
Thomas M. Beattie, Student Union Comptroller

Baxter Hall
Samuel K. Edwards, M.A. (Oxon)
Director of Student Union Activities

The Roper Public Opinion Research Center
Philip Kay Hastings, Ph.D., Director

FACULTY COMMITTEES FOR 1959-60

Charles D. Compton, Secretary of the Faculty

Faculty Committees

ADMISSIONS: Frederick C. Copeland, Chairman; Elwyn L. Perry, William G. Cole, Philip F. Smith.

APPOINTMENTS COMMITTEE: Ralph P. Winch, S. Lane Faison, Jr., Fred H. Stocking, (The President, the Chairman Pro Tempore of the Faculty, and the Dean are ex-officio members of this committee).


CHAPIN LIBRARY COMMITTEE: S. Lane Faison, Jr., Chairman; H. Richard Archer, Executive Secretary; Donald E. Richmond, Wyllis E. Wright, Charles W. Wegener, R. Neil E. Megaw.

CURRICULUM COMMITTEE: John H. Power, Chairman; MacAlister Brown, Secretary; Howard P. Stabler, Charles D. Compton, Anson C. Piper, R. Neil E. Megaw, John W. Chandler, William C. Grant, Jr., Harlan P. Hanson.


GRADUATE STUDY: Ralph P. Winch, Chairman; James R. Curry, Winthrop H. Root.

HONOR SYSTEM: Anson C. Piper, Chairman; Phillip K. Hastings, John A. MacFadyen, Jr.

HONORS DEGREE: Howard P. Stabler, Chairman; Frederick L. Schuman, Russell H. Bastert, R. Neil E. Megaw.


LIBRARY: J. Clay Hunt, Chairman; Wyllis E. Wright, Executive Secretary; Frederick L. Schuman, James R. Curry, Winthrop H. Root, Robert G. Barrow, Dudley W. R. Bahlman.


STUDENT ACTIVITIES: The Dean, Chairman; Henry N. Flynt, Jr., Executive Secretary; Charles A. Foehl, Jr., Howard P. Stabler, George G. Connelly, Giles Playfair, Paul G. Clark, Irwin Shainman, W. Ralph Aiken, Jr., Ralph R. Renzi.

STUDENT AID: Charles A. Foehl, Jr., Chairman; Henry N. Flynt, Jr., Executive Secretary; Whitney S. Stoddard, Frederick C. Copeland, Roy E. Moor, Shane E. Riorden, Manton Copeland, Jr., Philip F. Smith.

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*On sabbatical leave second semester 1959-60
**On leave second semester 1959-60
***On sabbatical leave first semester 1959-60

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SCHOLARSHIP AND PRIZE AWARDS
1959-60

Special Scholarships

James Beebee Brinsmade. Michael S. Bolduan '61, Howard M. Goodman '60.
Chi Psi. Anthony W. Roberts '60.
George Alfred and Edith T. Cluett. Edmund G. Bagnulo '60, Robert J. Gormley '61, Robert Y. Hayashida '60.
Cadwallader Evans, III Memorial. Stephen M. Beal '60.
Irving D. Fish '12 Memorial Fund. Edmund G. Bagnulo '60.
Haystack Memorial. Warin Wonghancho, Noel Keui-Eng Yeh '61.
Inland Steel Foundation. Henry W. DeZutter '63.
J. A. Jeffrey. Alan F. Bogatay '61, Clayton K. Honbo '60.
John W. Lasell. Donald W. Benedetti '63, Anthony O. Tyler '61.

<table>
<thead>
<tr>
<th>Scholarship Awards</th>
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<tr>
<td><strong>Procter and Gamble.</strong></td>
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<td><strong>Charles Sprague Sefton.</strong></td>
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<td><strong>Harland K. Simonds.</strong></td>
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<td><strong>Francis Lynde Stetson.</strong></td>
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<td><strong>Jacob C. Stone.</strong></td>
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<td><strong>John Cowperthwaite Tyler Memorial.</strong></td>
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<td><strong>Lieut. David Van Alstyne, III Memorial.</strong></td>
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<td><strong>Stillman F. Westbrook.</strong></td>
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<tr>
<td><strong>Westinghouse Achievement.</strong></td>
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<td><strong>Karl E. Weston Memorial.</strong></td>
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<tr>
<td><strong>Current Gift Scholarships</strong></td>
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<td><strong>BOBST.</strong></td>
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<td><strong>Hyde Memorial.</strong></td>
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<td><strong>Estate of Eleanor Patterson.</strong></td>
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<tr>
<td><strong>General Scholarships</strong></td>
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</tbody>
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Scholarship Awards


Scholarships Given by Williams Alumni Groups

Buffalo Alumni. Claude M. Duvall '63.
Class of 1885 Special. Francis T. Vincent '60.
Class of 1903. Jerry P. Goodwin '60, Robert C. Nevin '62, Thomas B. Tierney '60, John E. Woodruff '60, Cabray Wortley, Jr. '60.
Class of 1913. Josiah O. Low, III '61.
Class of 1914. Richard B. Herzog '60.
Class of 1915. Nicholas M. Ratcliffe '60, C. Wayne Williams '60.
Class of 1944 Memorial. Not awarded.
Cleveland-Northeastern Ohio. Harry W. Lum '63.
Gargoyle. Allen Martin '60.
Twin Cities-Upper Midwest. Not awarded.
Westchester. David R. Marash '63.
Prize Awards

Fellowships and Prizes for Graduate Study

**Horace F. Clark Prize Fellowships.** David N. Batchelder ’59, James H. Wallace, Jr. ’59.
**Francis Sessions Hutchins ’00, Memorial.** Not awarded.
**Hubbard Hutchinson Memorial Fellowship.** Ridgway M. Banks ’58, David J. Kleinbard ’56, Lawrence E. Wright ’58.
**Charles Bridgen Lansing Fellowship in Latin and Greek.** Not awarded.
**John Edmund Moody Fellowship.** John H. Betz ’59, Karl J. Hirshman ’58.
**Carroll A. Wilson Fellowship Fund in Memory of John E. Wilson ’44.** Stuart J. B. Crampton ’58.

Prizes in Special Studies

**Kenneth L. Brown, Class of 1947, Award in American Studies.** W. N. Harrell Smith ’60.
**David Taggart Clark Prize.** Not awarded.
**Conant-Harrington Prize in Biology.** Marc E. Newberg ’59.
**Garrett Wright De Vries Memorial Prize.** Robert N. Harris ’59.
**Sherwood O. Dickerman Memorial Prize.** Not awarded.
**Dwight Botanical Prize.** Not awarded.
**Gilbert W. Gabriel Memorial Award in Drama.** Peter W. Culman ’59, Paul A. Distler ’59.
**Arthur C. Kaufmann Prize in English.** Robert C. F. Cassidy ’59.
**J. Fitch King Prize in Chemistry.** Richard M. Klein ’59.
**Richard Ager Newhall Book Prize in European History.** Scott C. Mohr ’62.
**Rice Prizes.** (Greek) Paul B. Galvani ’60. (Latin) William N. Hart ’59.
**Lawrence Robson Memorial Prize in Chemistry.** Ross J. Baldessarini ’59.
**Edward Gould Shumway Prize in English.** James H. Wallace, Jr. ’59.
**Theodore Clarke Smith Book Prize in American History.** Robert D. Sleeper ’61.
**Karl E. Weston Prize for Distinction in Art.** Not awarded.

Essay Prizes

**Academy of American Poets Prize.** J. Edward Brash ’60.
Prize Awards

Henry Rutgers Conger Memorial Literary Prize. Stephen M. Beal '60.
Leverett Mears Prize in Chemistry. Not awarded.
Sentinels of the Republic Prize. Not awarded.
David A. Wells Prize. Not awarded.

General Prizes

Grosvenor Memorial Cup. Robert C. Rorke '60.
Scholarship Trophy. Phi Sigma Kappa.

Rhetorical Prizes

Stone Interfraternity Debate Trophy. Phi Gamma Delta.

Athletic Prizes

Canby Athletic Scholarship Prize. D. Mackay Hassler, II '59.
Fox Memorial Soccer Trophy. Donald W. Lum '59.
Robert B. Muir Swimming Trophy. Not awarded.
Paul B. Richardson Swimming Trophy. Harlow C. Ide, Jr. '59.
Lacrosse Award. Charles M. Jankey '59.
Prize Awards


Purple Key Trophy. Robert A. Hatcher ’59.

Michael D. Rakov Memorial Award. Robert D. Lowden ’59.

Rockwood Tennis Cup Prize. G. Clyde Buck ’61.

Charles Dewoody Salmon Award. Not awarded.

Squash Racquets Prizes. Gregory B. Tobin ’60.

Scribner Memorial Tennis Trophy. Thomas M. Davidson ’59.

Oswald Tower Award. Not awarded.


DEGREES CONFERRED IN JUNE, 1959

Bachelor of Arts

Thomas Benedict Albertson
William Rogers Applegate
Joseph Thomas Bartlett, Jr.
Stephen John Battory, Jr.
Charence Kemphorne Bawden, Jr.
Jack Beall, Jr.
Robert Davies Behr
Eugene B. Bender
Allan Morton Benton
John Henry Berkshire, III
John Lockwood Binney
*Christian Luis Blohm
Henry Johns Bowdoin
Johnston Newhall Boyden
Peter Farrell Bradley
Frederick M. Brandon
Philip Cheney Brown
Woodward Burgert, Jr.
Howard Hollister Cantus
Thomas Stanley Christopher
James Sutton Coale, II
John Devereux Coffin
Richard Burton Colby
Henry Puryear Cole, Jr.
Richard Kennedy Cole
William Carter Coleman
Beverley Crump Compton, Jr.
Richard Jon Contant
David Eberts Cooley
Geoffrey Stockwell Covert
Norman Lee Cram, Jr.
Peter William Culman
Peter Louis Dal Negro
George Byrom Dangerfield

John Arthur Dietze, Jr.
Randolph Doherty, Jr.
David Warren Drouet
George Dunn
George Erlanger
Daniel Patrick Fanning
Steven John Fellman
Harry Peter Findlay
George Edward Fisher, Jr.
Ernest Benjamin Fleischman
Clinton Henry Foltz
Bradford Raymond Frost, Jr.
William Crusor George, Jr.
Paul Douglass Glassburn
Harold Prim Goodbody, Jr.
Michael Donald Grant, Jr.
Henry Weare Gratwick
Joel Evan Greeley
John Morgan Greer
*Joseph Lindley Hall
Howard Ansel Halligan, II
William Paul Currely Hamilton
*Kenneth Ivins Hanf, cum laude
Donald Purple Hart
Anthony Haswell Harwood
Thomas Arthur Hayne
William McIver Hedeman
David Davies Helprin
Thomas George Hertel
Garry Thomas Higgins
David Tibbetts Hildreth
John Emery Hodgson
Barrington Holt
John Wentroth Hyland, Jr.

*Elected to Phi Beta Kappa
Degrees Conferred

Harlow Chittenden Ide, Jr.
Richard Rider Jackson, Jr.
Charles Martin Jankey
Walter Jeffrey, Jr.
Frank Tatham Johnson
Marius Pitkin Johnson, Jr.
Hugh Samuel Johnston
Chester Ray Jones
Richard Joseph Kagan
David Jerome Kennedy
John Eli Kimberly
Roger Lee Kniss
Richard Dallam Lee
Ralph Clarke Lees
Bruce Albert Lennon
Bruce Masters Listerman
John Whiteman Locke, III
Richard Alan Lovett
Robert Davidson Lowden
Scott Vogt Lowry
Donald Woodruff Lum
Michael Henry Lyons, II
Robert Morris McAlaine
Bruce Connor McEldowney
Jule Grey McGown
David Kenniston McKown
John Mangel, II
Brooks Marshall, Jr.
George Herman Martens
Richard Bruce Marthins
William Christian Miller, IV
Richard Palmer Moe
David Bethune Moore
Geoffrey Alexander Morton
Gerald Hammond Murphy
Alastair Angus Murray
Paul Hazlett Netherwood
William Alexander Norris
George Terry Northrop
William Courtney Nutting
Terrence Kevin O'Leary
Robert O'Neill, Jr.
Edward Harry Oppenheimer, Jr.
William Michael Ott, Jr.
Andrew Bowen Packard
Hugh Jeremy Packard

John Emery Palmer, Jr.
Robert Prescott Parker, Jr.
James Samuel Parkhill, Jr.
Robert Martin Pearl
Thomas Randolph Piper
Austin Pickard Platt
Jeremiah Lawrence Pond
Lawrence Lewis Pratt
John Joseph Prendergast
Erwin Daniels Rankin
Robert Gilbert Rediske
James Adger Reynolds, III
James Foster Richardson
Hobart Krum Robinson, Jr.
James Archer Robinson
Daniel Andrew Rorke
Ian Kurt Rosen
Edwin Rodney Sage, II
Stephen Thorndyke Saunders
John Kent Scales
Cris Hayden Schaefer
Frank Alan Schumacher
George Barnes Secor, Jr.
Michael William Shimkin
David Graham Shipman
Cornelius Halstead Smith, Jr.
Christopher Steele
Scott Stewart
David Owen Stoner
George Norton Sudduth
Peter Brearton Tacy
Walter House Tappan, 2nd
Henry Randolph Tatem
Christopher Tatlock
David Livingston Taylor
William Fosdick Chamberlain Taylor
David Louis Thun
Robert Charles Togneri
William Mackenzie Tuach
Joseph Lewis Turner, Jr.
Victor Frank Valgenti
Grant Van Sant, III
Carl Victor Van Valin
Peter John Verstappen
Anthony Dominic Volpe
Edgar Wachenheim, III
Degrees Conferred

Robert Richard Wagner  
Stuart Alan Wallace  
Rodney Washburn, Jr.  
Stephen Vinson Weidemann  
Palmer Higbie White  
Otis Clayton Winegar  
Frederick Winston  

Bachelor of Arts with Honors

*William Phelps Arend, Chemistry, cum laude  
Michael Darragh Baring-Gould, Geology  
*David Neville Batchelder, Physics, cum laude  
Laurence McKenzie Bearse, French  
*George William Benedict, Chemistry, cum laude  
David Warren Boothby, Economics  
Donald William Brown, English  
Thomas Marshall Davidson, Political Science  
George William Dietz, Jr., Chemistry  
*Paul Antonie Distler, English, cum laude  
Charles Arthur Dunkel, Economics  
Robert Campbell Embry, Jr., Political Science  
Brandt Timothy Enos, Economics  
Willard Finely Enteman, II, Philosophy  
Peter Fessenden, Physics, cum laude  
Walter Seymour Foster, II, Political Economy  
John Jovett Gilbert, Biology  
Robert Nathaniel Harris, Spanish, cum laude  
*Donald Mackey Hassler, II, American History and Literature magna cum laude  
Thomas Donald Heekin, Political Science  
Jared Diener Honigfeld, American History and Literature  
*Eugene Joseph Johnson, III, History, cum laude  
Marriott Conrad Johnson, Jr., Chemistry  
Thomas Chandler Kingsley, History  
Borell Kirschen, History  
Raymond Maurice Klein, Economics  
Thomas Nelson Longstreth, American History and Literature  
Anthony Louis Lovasco, English, cum laude  
*Louis Charles Lustenberger, Political Science, cum laude  
William Hugh Madison Morton, History  
*James Henry Pickering, American History and Literature, cum laude  
James Warwick Rayhill, History, cum laude  
Frank Wildman Read, Biology

*Elected to Phi Beta Kappa
Degrees Conferred

Edward Conrad Reifenstein, III, Physics, cum laude
William Robert Roalfe, Jr., Biology
David Alan Sack, French
Alan Ronald Salamon, Economics
William Jay Semel, Biology
David Samuel Skaff, Jr., American History and Literature
Bradford Smith, III, Economics
Tyler Jay Smith, Economics
James Wood Squires, Chemistry, cum laude
*Stuart Warner Staley, Chemistry, cum laude
John J. Szufnarowski, Psychology
Daniel Barret Thatcher, Biology
Gerald Clark Tipper, Economics, cum laude
Nicholas Van Deusen, English
Herbert Mason Varnum, French
Norman Matthew Walker, English
Stephen Saunders Webb, History
*Frederick Folger Webster, Jr., Economics, cum laude
Kuhrt Wienke, Jr., German
Peter Sherman Willmott, Economics
*William Slate Wilson, Chemistry cum laude
Richard Crews Wydick, Political Economy

Bachelor of Arts with Highest Honors

Donald Edward Arnarius, Mathematics, cum laude
*Daniel Arons, History, summa cum laude
*Ross John Baldessarini, Chemistry, magna cum laude
*John Handley Betz, Political Economy, magna cum laude
*Robert Charles Francis Cassidy, English, cum laude
*William Walker Collins, English, magna cum laude
*Richard Lawrence Crews, Chemistry, cum laude
*Alan Barton Donovan, American History and Literature, cum laude
David Prince Earle, III, American History and Literature
William Hunt Edgar, History
*Kirk Rettig Emmert, Political Science, cum laude
*Robert Ozburn Gould, Chemistry, summa cum laude
*Leonard Grey, Political Science, magna cum laude
*Harry John Hansen, III, Geology, cum laude
William Norman Hart, Greek, cum laude
*Robert Anthony Hatcher, Economics, cum laude
Ernest Frederick Imhoff, German, cum laude
*Kyung-won Kim, Political Science, magna cum laude

*Elected to Phi Beta Kappa
Degrees Conferred

*Richard M. Klein, Chemistry, cum laude
William Jeremiah Lockwood, English
*Ronald K. Mendelblat, Chemistry, cum laude
*William Renken Moomaw, Chemistry, cum laude
*Peter Todd Naiman, Chemistry, magna cum laude
*Marc Eliot Newberg, Biology, magna cum laude
*John David Phillips, History, cum laude
*Jared J Rardin, History, cum laude
*Steven Thomas Ross, History, magna cum laude
*James Herbert Wallace, Jr., English, magna cum laude
Frederick Edward Wallach, English, cum laude
*Donald DeWitt Westfall, Economics, cum laude
*Howard Ira Willer, Psychology, cum laude

Master of Arts
Thomas Bancroft Braine
Donald William Tappa

HONORARY DEGREES CONFERRED IN JUNE, 1959

Doctor of Laws
Lt. Gen. Garrison Holt Davidson
Charles Habib Malik
Irving Sands Olds
Arthur Wilson Page

Doctor of Letters
Nelson Sherwin Bushnell
Luther Carrington Goodrich

Doctor of Science
Harold Marston Morse
Henry Swan, II

DEGREES CONFERRED IN OCTOBER, 1959

Bachelor of Arts
David Waterman Canfield
David Duncan Burnett Laing
Dean Everett Wachtel

*Elected to Phi Beta Kappa
DIRECTORY OF STUDENTS

Aberman, Philip Eugene '63
Abrams, Philip '61
Adams, Michael Everitt '63
Adams, Richard Holbrook '62
Adams, Robert Lord Arthur '61
Adler, Robert '61
Ahn, Sangwoo '60
Aid, George '60
Albert, Philip Richard '63
Albert, Theodore Gibbs '63
Albury, G(orge) Richard '63
Alford, Richard Robert '60
Allen, Herbert Anthony '62
Allen, John Trevett, Jr. '61
Allen, John Walter '61
Allen, Kirby Lawrence '62
Almy, Peter Ellis '61
Altman, Michael David '60
Andersen, David Harold Marius '61
Anderson, Earl Howe '60
Anderson, George Cyril '63
Anderson, Grant Rankin '60
Anderson, J(ames) Peirce '61
Anderson, William Joseph, III '62
Arakawa, Wallace Mitsuo '63
Archer, Evan Chandlee, Jr. '61
Arms, Richard Graves, Jr. '63
Armstrong, A(ndrew) Joseph, III '61
Armstrong, John Hord, III '63
Asadourian, Ara '60
Ash, Richard John, Jr. '63
Atchley, John Kristian '62
Axelrod, Bruce Henry '63
Ayres, David Smith '61

Babcock, L(uman) Kent, III '62
Bachand, Stephen Eugene '60

Mount Vernon, New York
Chestnut Hill
Forest Hills, New York
New Canaan, Connecticut
Brandon, Vermont
New Rochelle, New York
Seoul, Korea
Los Angeles, California
South Orange, New Jersey
Basking Ridge, New Jersey
Miami, Florida
Syracuse, New York
Irvington, New York
Danville, Illinois
Utica, New York
Kirkwood, Missouri
Houston, Texas
South Fallsburg, New York
South Lyme, Connecticut
Tupper Lake, New York
San Diego, California
Denver, Colorado
Wyncote, Pennsylvania
South Natick
Honolulu, Hawaii
Haddonfield, New Jersey
Cincinnati, Ohio
West Chester, Pennsylvania
Delray Beach, Florida
Plattsburgh, New York
Huntington, New York
Falls Church, Virginia
Trenton, New Jersey
Quincy

Wynnewood, Pennsylvania
Leeds

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Directory of Students

Bachmann, W(illiam) Thompson '62
Bader, W(illiam) Reece '63
Bagnulo, Edmund Gillis '60
Baier, Alan Leigh '63
Bailey, Alaric Rosencrantz, Jr. '60
Bailliere, Thomas Henry Gaither, Jr. '62
Baird, Brent Dugan '60
Baker, F(rederick) Cecil '63
Baker, William Arnold '60
Bankard, David Merrill '63
Bankes, Rowland Tompkins '61
Banks, Oliver Talcott '62
Banta, David Horace '60
Barber, Joel Stoddart '63
Barraford, Jerome Hazelton, Jr. '60
Bass, Howard Steedman '62
Basset, Joseph Alden '62
Bastedo, W(illiam) Bayard '62
Bauer, John William '61
Bauer, Lawrence Charles '63
Bauman, Dennis Jerry '62
Baynard, Lee '61
Beadie, William Merrill '62
Beal, Stephen Manning '60
Beard, William Robinson Cook '62
Beaton, Arthur Howard '61
Beckler, Richard William '61
Beckwith, Peter Oberdorf '60
Beebe, Bruce Ernest '63
Beemer, Michael Gregg '60
Behrman, Jere Richard '62
Belcher, John Martin '63
Bell, James Dick '62
Bell, John Sinclair '63
Bell, Robert Joseph, Jr. '63
Benedetti, Donald William '63
Benedict, Edward Grenville '60
Benford, John McIlvaine, Jr. '62
Bentley, David Roy '62
Benton, Louis Joseph, Jr. '62
Berger, Richard Steven '63
Berkley, Peter Lee '60
Berlage, Jan Coxe '63
Bernheimer, Leonard Alan '63
Bernheimer, Walter Samuel '61
Bernstein, Jerome Leon '60

Short Hills, New Jersey
Portland, Oregon
Marblehead
Bellport, New York
Jamestown, New York
Baltimore, Maryland
Eden, New York
San Rafael, Mendoza, Argentina
Yarmouth Port
Buffalo, New York
Garden City, New York
Cambridge
Hackensack, New Jersey
Wilton, Connecticut

Lexington
Bridgeton, New Jersey
Northboro
New York, New York
Larchmont, New York
Western Springs, Illinois
St. Petersurg, Florida
St. Petersurg, Florida
St. Paul, Minnesota
Evanston, Illinois
Richmond, Virginia
Quincy
Brooklyn, New York
Rutherford, New Jersey
Bronxville, New York
Crawfordsville, Indiana
Richmond, Indiana
Gravois Mills, Missouri
Milwaukee, Wisconsin
Urbana, Illinois

Ridgewood, New Jersey
North Adams
Short Hills, New Jersey
Woodbury, New Jersey
Grosse Ile, Michigan
Ogdensburg, New York
Syosset, L. I., New York
Millburn, New Jersey
Asheville, North Carolina
Newton

Binghamton, New York
Berry, Richard Francis, Jr. '63
Bieber, James Richard '63
Binder, Robert Joseph '63
Bird, Henry Bouton '62
Bishop, Newell Edward '60
Bissell, George William '60
Black, James Chipman '62
Bladen, Christopher '62
Blagden, Henry Ernest, II '62
Blair, Stanley Arthur '63
Blaney, William Osgood, Jr. '62
Bliard, Jacques François B.P.
Bliss, Edward Slade, Jr. '63
Bluett, David Eastburn '61
Blume, James Beryl '63
Bogatay, Alan Frank '61
Boire, Paul Richard '61
Bolduan, Jonathan '63
Bolduan, Michael Stephen '61
Bol, George E. Newhall '61
Bomer, John Meeks '62
Boschen, Thomas Eugene '63
Botts, John Chester, III '62
Bowen, John Joseph, III '61
Bowden, Thomas Newhall '62
Boyer, Peter Francis '60
Boyton, Charles Albert, III '60
Boynton, George Edward '60
Bradford, Arnold Jay '61
Bradley, Richard Clark '61
Bradley, Russ Van Vleck, Jr. '63
Brandi, Frederic Rapelje Hunting '63
Brash, J. Edward '60
Brayton, Donald '61
Brian, Bruce Allen '61
Brickley, Harvey Baker '60
Briggs, James Rodney '60
Briller, Fredric Charles '61
Brimmer, Michael Franklin '62
Brinnand, Alfred Constantine '62
Brown, David St. John '61
Brown, Duncan Walker '60

West Simsbury, Connecticut
Merrick, L. I., New York
West Englewood, New Jersey
New York, New York
Easton, Connecticut
Pittsburgh, Pennsylvania
Brunswick, Maine
Glen Ridge, New Jersey
Maplewood, New Jersey
Williamstown
Wellesley Hills
Paris, France
Fall River
New Haven, Connecticut
Great Neck, New York
South Euclid, Ohio
Hudson
Santa Barbara, California
Santa Barbara, California
Forest Hills, New York
Memphis, Tennessee
Scarsdale, New York
Bronxville, New York
Lake Forest, Illinois
Scarsdale, New York
Memphis, Tennessee
Newton Highlands
Atlanta, Georgia
Lake Forest, Illinois
Lexington
Salt Lake City, Utah
Baltimore, Maryland
Wayland
Toms River, New Jersey
New Canaan, Connecticut
New York, New York
Philadelphia, Pennsylvania
Wellesley
Baltimore, Maryland
Dayton, Ohio
Bloomfield Hills, Michigan
Garden City, L. I., New York
Ramsey, New Jersey
Calcutta, India
West Hartford, Connecticut
Keene, New Hampshire
Brown, G(orge) Gardiner '61  
Brown, Hamilton Barksdale, Jr. '62  
Brown, Henry Ingersoll, III '60  
Brown, James Alexander '63  
Brown, Stuart Houston '63  
Brown, Walter Leyden '60  
Browning, Armistead Willis, Jr. '61  
Brumbaugh, John Heber '62  
Brumberg, Stephen Frank '62  
Buck, Bruce Campbell '63  
Buck, G(orge) Clyde '61  
Buck, Robert Treat, Jr. '61  
Buck, Roger, Jr. '62  
Buck, William Lanphear '61  
Bullock, Robert Barnes '60  
Bunce, T(heodore) Dwight '63  
Burghardt, John Bradford, Jr. '61  
Burnett, William Brown '63  
Buttenheim, Richard Melville '62  
Butts, Ralph Stevenson '63  
Buxbaum, Laurence Richard '63  
Byers, John Crawford '61  
Byford, Colin '61  

Cabot, Thomas Tarvin Gray '61  
Calhoun, John Thomas '62  
Callaway, Peter Anderson '63  
Cameron, Palmer Wheaton '62  
Camp, Christopher Carrington '63  
Camp, Herbert Latimer '61  
Campaigne, Jameson Gilbert, Jr. '62  
Campaigne, Markham Baker '63  
Campbell, Benjamin Pfohl '61  
Campbell, David George '61  
Campbell, Donald Livingston, Jr. '60  
Campbell, J(ohn) Robert, Jr. '61  
Canon, Michael Moyer '62  
Cappalli, Richard Bruce '62  
Carney, Richard Parker '61  
Carroll, John Edward '61  
Carter, Harvey Denison, Jr. '60  
Carter, Nicholas Stuart Fitzhugh '60  
Carter, William Spencer '63  
Carton, Lawrence Stuart Fitzhugh, III '60  
Case, John Price '63  
Cassidy, Eugene Patrick '62  

Shaker Heights, Ohio  
Pittsburgh, Pennsylvania  
Greenville, Delaware  
Wallingford, Connecticut  
Moylan, Pennsylvania  
Morristown, New York  
West Chester, Pennsylvania  
Westport, Connecticut  
Baldwin, New York  
Short Hills, New Jersey  
Montclair, New Jersey  
Queens, New York  
Midland, Texas  
Rye, New York  
Bronxville, New York  
Long Beach, California  
Wyckoff, New Jersey  
Birmingham, Michigan  
Mt. Kisco, New York  
Poughkeepsie, New York  
Yonkers, New York  
Westport, Connecticut  
London, England  

Norwell  
Denver, Colorado  
Westport, Connecticut  
Chicago, Illinois  
Middletown, Connecticut  
Middletown, Connecticut  
Indianapolis, Indiana  
Indianapolis, Indiana  
Arlington, Virginia  
West Hartford, Connecticut  
Hinsdale, Illinois  
Short Hills, New Jersey  
Baltimore, Maryland  
North Providence, Rhode Island  
West Hartford, Connecticut  
Millville, New Jersey  
Scarsdale, New York  
Williamstown  
Hamburg, New York  
Locust, New Jersey  
Tucson, Arizona  
Floral Park, New York
<table>
<thead>
<tr>
<th>Name</th>
<th>Class Year</th>
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<tbody>
<tr>
<td>Castiello, Richard Joseph</td>
<td>'63</td>
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<tr>
<td>Castle, Frederick Corson, Jr.</td>
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<td>Castleman, John Pryor, Jr.</td>
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<td>Cavanaugh, James Lewis, Jr.</td>
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<td>Chaffee, Roger Burton</td>
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<td>Champlin, Arthur Kingsley</td>
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<td>Chapin, Bruce Elliott</td>
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<td>Charles, Robert Richard</td>
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<td>Chase, Jonathon Boyd</td>
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<td>Churchill, John Stewart</td>
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<td>Citron, Henry Tamor</td>
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<td>Ciulla, Robert Kenneth</td>
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<td>Clay, Stephen Scott</td>
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<td>Clark, Donald Thomas</td>
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<td>Clements, Kendrick Alling</td>
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<td>Clinton, DeWitt, Jr.</td>
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<td>Cluett, Christopher</td>
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<td>Clyde, Thomas Edward</td>
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<td>Coburn, Timothy Beveridge</td>
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<td>Cohan, Philip Leon</td>
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<td>Cohen, Henry David</td>
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<td>Cohen, Roy Harris</td>
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<td>Cohen, Stephen S.</td>
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<td>Coleman, Eliot Warner, Jr.</td>
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<td>Collins, Kent Howes</td>
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<td>Collyer, Michael Clayton</td>
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<td>Colt, Blaise Bannerman</td>
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<td>Comstock, Marc Walker, II</td>
<td>'62</td>
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<td>Conley, Henry Quigley</td>
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<td>Connard, Carroll Schaeffer</td>
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<td>Connolly, John Robert</td>
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<td>Connor, John Thomas, Jr.</td>
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<td>Cook, Daniel Hedges, Jr.</td>
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<td>Cook, Robert Redfern</td>
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<td>Coombs, Frederick Augustine, III</td>
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<td>Coplan, Michael Alan</td>
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<td>Cordis, Edward Colton, Jr.</td>
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<td>Cornish, David Walker</td>
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<td>Corson, John Edward Flynn</td>
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<td>Cosgrove, Delos Marshall, III</td>
<td>'62</td>
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<tr>
<td>Costello, John Lanphear</td>
<td>'60</td>
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<td>Cotton, Peter Way</td>
<td>'62</td>
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<td>Coughlin, W(alter) David</td>
<td>'61</td>
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<tr>
<td>Counts, Richard Franklin, Jr.</td>
<td>'62</td>
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<tr>
<td>Courter, Joseph Allan</td>
<td>'62</td>
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<td>Cox, Millard, III</td>
<td>'63</td>
</tr>
</tbody>
</table>
Coxe, Peter Makepeace ’63
Crabb, Earl Evan, II ’63
Craigie, Carter Walker ’60
Crawford, John Thompson, III ’62
Crist, Buckley, Jr. ’62
Critchell, Robert Siderfin, III ’63
Crosby, H(enry) Ashton, Jr. ’62
Crowley, Daniel Fenwick ’62
Cruger, Melvin Edward ’60
Cuddeback, Charles Van Inwegan, Jr. ’62
Cullen, R(obert) Laurence ’62
Cullis, Ronald George ’60
Cupic, Zoran ’60
Curtiss, David Pierce ’61
Cutler, Charles Mann, Jr. ’60
Czarnowski, John Luis ’61

Dahlberg, Eric Charles ’61
Dailey, J(ohn) Peter ’61
Daloz, Laurent Albert, Jr. ’62
Dana, Charles Henry ’61
Dankmeyer, Theodore Rognald, Jr. ’60
Darrow, Frank William ’61
Davenport, Junius Clay, III ’63
Davidson, Maxwell, III ’61
Davis, Carl Braden, III ’62
Davis, Eric Hunter ’61
Davis, Gordon Jamison ’63
Davis, Jeffrey Goddard ’63
Davis, John Aubrey, Jr. ’63
Davis, J(ohn) Terrance ’63
Davis, Stewart Dowsland ’62
Day, Edmund Perry ’61
DeGray, Thomas Allan ’61
Deichman, Charles Bailey ’63
DeMallie, Bayard Thomas ’60
Demb, Alan Sander ’61
Denne, John Henry ’61
Dernier, Paul Dwight ’62
Devaney, Neil Augustine ’61
Devereux, Foster ’60
DeWitt, William ’61
De Zutter, Henry Wayne ’63
Dick, Macdonald, II ’63
Dickson, Charles Malcolm ’62
DiClerico, Joseph Anthony, Jr. ’63

Warwick Neck, Rhode Island
Edina, Minnesota
Richmond, Virginia
Superior, Wisconsin
Muncie, Indiana
Winnetka, Illinois
New York, New York
Birmingham, Michigan
North Tarrytown, New York
Port Jervis, New Jersey
Medford
Newark, New Jersey
New York, New York
Williamstown
West Newton
New York, New York

Nyack, New York
Chappaqua, New York
Wellesley Hills
Darien, Connecticut
Baltimore, Maryland
Solway, New York
Manhasset, New York
New York, New York
Golf, Illinois
Glen Ridge, New Jersey
Chicago, Illinois
Palatine, Illinois
New Rochelle, New York
Wynnewood, Pennsylvania
Chester, New York
Scarsdale, New York
Mountain Lakes, New Jersey
Morristown, New Jersey
Worcester
Marblehead
Old Greenwich, Connecticut
Old Greenwich, Connecticut
White Plains, New York
Bronxville, New York
Alexandria, Virginia
Northbrook, Illinois
Chesterfield, Maryland
Riverton, New Jersey
Nahant
Directory of Students

Greenwich, Connecticut
Mamaroneck, New York
Oakland, California
Ellington, Connecticut
Shaker Heights, Ohio
Midland, Michigan
Utica, New York
Chazy, New York
Shaker Heights, Ohio
Shaker Heights, Ohio
Worcester, New York
Ridgefield, Connecticut
Belmont
Pittsfield
Cincinnati, Ohio
Winnetka, Illinois
Hartford, Connecticut
Hinsdale, Illinois
Haddonfield, New Jersey
Glenwood Landing, New York
Neponsit, New York
Gouverneur, New York
West Hartford, Connecticut
Manhasset, New York
Westhampton Beach, L. I., New York
Freeport, New York
Shaker Heights, Ohio
Vestal, New York
La Jolla, California
Springfield
Bethesda, Maryland

Salem
Barrington, Illinois
Cincinnati, Ohio
Scarsdale, New York
Shaker Heights, Ohio
Westport, Connecticut
Collingswood, New Jersey
Irvington, New Jersey
Norrköping, Sweden
West Newton
Malden
Greenwich, Connecticut
Jackson, Mississippi
York, Pennsylvania

Dietze, David Lyman '63
Diforio, Robert George '63
Diller, Anthony Van Nostrand '62
Dimock, Richard Gordon '61
Dively, Michael Augustus '61
Dixon, William Robert, Jr. '63
Dodds, Harold Thomas '60
Dodds, Richard DeLano '61
Doerge, Carl Henry, Jr. '60
Doerge, Keith Edward '62
Doig, William Arden '60
Donnelly, John Michael '60
Donovan, John Anthony '63
Dorman, John Merrill '63
Dougherty, Edward Archer, Jr. '62
Doughty, Anthony Rutgers '60
Dower, W(illiam) Barrett '61
Downing, George Dowell, III '62
Driscoll, Peter Eastlack '61
Drott, Donald Clifford '63
Drucker, William Lawrence '62
Drury, Foster Raymond '61
Dubey, Paul Butler '63
Ducey, Frederick Thomas '60
Dudley, James Lawson '62
Dufty, James Wellons '60
DuLaurence, Henry Joseph, III '61
Dunn, Robert Martin, Jr. '60
Dirham, Robert Jay, Jr. '62
Durocher, John Raymond '63
Duvall, Claude Mareen '63

Ebert, Michael Hobart '62
Edwards, Ashton Shields '63
Eggers, L(ewis) Edward '60
Eggers, Richard Howell '60
Eilers, Stanley Stuart '60
Ekholm, David Bryant '61
Elverson, Allan Harold '63
English, John Theodore, Jr. '60
Ennerfelt, Göran Per B.P.
Epstein, Lewis Allen '60
Epstein, Ralph Lazar '61
Erb, E(dward) Alan '60
Evans, James Parham, III '62
Eyster, Franklin Spangler, II '63
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Fahnestock, Anthony Emmet '63
Faison, Gordon Lane '61
Fales, Danforth Page '61
Faris, Arthur Monroe, Jr. '63
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Favrot, Laurence deKanter '63
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Ferguson, John Howard '62
Field, Benjamin Rush, III '61
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Fite, Robert Cotton '60
Fitts, Peter Corydon '62
Fleck, Nathaniel Doe '63
Fletcher, Bruce Stowell '60
Fogg, Blaine Viles '62
Fontanella, Lee Francis '63
Fosburg, Robert Michael '62
Fowle, Stephen Parker '62
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Friedberg, Michael Alan '60
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Fritz, Gerhard '61
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Fuller, Robert Chester, Jr. '62

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Galvani, Paul Bransfield '60

Rumson, New Jersey
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Wilton, Connecticut
Pittsburgh
Houston, Texas
Wilton, Connecticut
Excelsior, Minnesota
Shaker Heights, Ohio
West Hartford, Connecticut
Baltimore, Maryland
Middlebury, Vermont
Miami, Florida
Wellesley Hills
Lincoln

Ridgewood, New Jersey
Hallowell, Maine
Stafford Springs, Connecticut
Plymouth, New Hampshire
Lakeville, Connecticut
Springhouse, Pennsylvania
Williamstown
Newton Highlands
Cohasset
New York, New York
New York, New York
Rutherford, New Jersey
Dudley
Palatine, Illinois
Fort Lauderdale, Florida
Birmingham, Michigan
Dallas, Texas
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West Islip, New York
Riverside, Connecticut
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Williamstown
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South Natick
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Dover
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Northampton
Bronxville, New York

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Grew, Edward Wigglesworth, III '63
Griffin, Keith Broadwell '60
Grinnell, Bruce Doane '62
Gripekoven, Price '62

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Hinsdale, Illinois
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Binghamton, New York
Tuckahoe, New York

Albany, New York
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Upper Montclair, New Jersey
Chicago, Illinois
Marblehead
Riverdale, New York
Lexington
Rochester, New York
East Norwalk, Connecticut
Washington, D.C.
Baltimore, Maryland
Shaker Heights, Ohio
Corona Del Mar, California
Baltimore, Maryland
Indianapolis, Indiana
Bethesda, Maryland
Litchfield, Connecticut
Muncie, Indiana
Washington, D.C.
Wilmington
Cleveland, Ohio
Bryn Mawr, Pennsylvania
Manhasset, New York
Wolfeboro, New Hampshire
Winchester
Honolulu, Hawaii
Woodstock, Vermont
Wethersfield, Connecticut
Spring City, Pennsylvania
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Tenafly, New Jersey
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State College, Pennsylvania
Haddonfield, New Jersey
Colorado Springs, Colorado
Joliet, Illinois
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Mitchell, Dennis Shea '60
Mitchell, Richard Leigh '63
Mohr, Scott Chalmers '62
Moldow, Charles Frederick '60
Mondell, Allen Stanley '63
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Mook, Herbert Arthur, Jr. '60
Moore, James Herbert, Jr. '61
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Moore, Richard Baldwin '63
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Moran, John Patrick '63
Morehead, Andrew Turner '61
Morison, Thomas Lincoln, Jr. '62
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Morrissiey, Kevin Peter '61
Morse, Frank Peele '62
Morss, Elliott Reed '60
Morton, Michael Kirkpatrick '62
Moseley, Ralph Sessions '63
Moss, Arthur, Jr. '61
Moynahan, John Kenneth '62
Mühlhausen, Peter Kirton '60
Müller, Erik Stefan '62
Murphy, Gordon Laurence '63
Murphy, John Rodgers, Jr. '61
Murphy, Patrick Alan '61
Myers, Robert Pearce, Jr. '60
Myers, Stewart Clay, II '62

Nadel, Ethan Richard '63
Nadel, Stanley Mark '63
Nash, John Franklin, Jr. '63
Neuse, Karl Werner '63
Nevin, Robert Charles '62
Newburg, William Edward '63
Newton, John Knox '62
Nicely, Thomas Shryock, Jr. '60
Nichols, Charles Warren '60
Niebling, Michael Charles '62
Nimetz, Matthew '60
Noland, Frederick Luke '61
Nord, Walter Robert '61

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Warren, Pennsylvania
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Baltimore, Maryland
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Pennington, New Jersey
Warren, Ohio
Meadville, Pennsylvania
Columbus, Ohio
Los Angeles, California
Towson, Maryland
Great Neck, L. I., New York
New York, New York
Yonkers, New York
Winchester
Easton, Connecticut
Jackson Heights, New York
Stamfords
Brookline
San Francisco, California
Kingston, New York
Gastonia, North Carolina
Garden City, New York
Huntington, New York
New York, New York
Stamford, Connecticut
St. Paul, Minnesota
Princeton
San Marino, California
Albany, New York

Santa Barbara, California
Pittsburgh, Pennsylvania
Gates Mills, Ohio
Middlebury, Vermont
Dayton, Ohio
La Crosse, Wisconsin
Holyoke
Manhasset, New York
Wilmington, Delaware
Short Hills, New Jersey
Brooklyn, New York
Hinsdale, Illinois
Mount Kisco, New York
Norton, Michael Woodward '62
Nugent, Albert Edward, Jr. '61
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Oberteuffer, John Amiard '62
Obourn, Peter John '63
O'Brien, Jonathan Boody '60
O'Brien, William James '62
O'Donnell, John Logan, Jr. '62
Oehrle, Albert Cummins, Jr. '62
Ogilvy, James Angus '63
Ohly, Nicholas Doggett '61
O'Leary, Brian Todd '61
O'Leary, James Bryan '62
Oliphant, James Booth Fajardo '61
Olmsted, William Wells '63
Olson, C(arl) Erik '62
Opdyke, George Francis, Jr. '62
Orr, Harry Delphos, III '63
Osborne, John Stuart, Jr. '63
Osgood, Carroll Prentiss, Jr. '61

Palm, John Milton '62
Palmer, Archie MacInnes, Jr. '62
Palmer, Arthur Nicholas '62
Panuska, Robert Tresler '62
Paresky, David Saul '60
Parker, Francis Troost, III '60
Parker, H(arry) Sheldon, Jr. '60
Parker, James Patton '63
Passigli, Alberto '62
Patterson, John Tiffin '62
Paul, Richard Albert '62
Paxton, Kent Fox '61
Payzant, Thomas William '62
Peck, Ralph Alden, Jr. '62
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Pelletier, Donald Hector '62
Pendleton, H(ugh) Alexander '63
Penick, William Sydnor '62
Penner, Michael Montgomery '60
Penny, William Edward '61
Perry, Bradley Wilbur '60
Peterson, R(ichard) Eric '60
Peterson, Richard George '61
Phillips, John Livingston '60

Ridgewood, New Jersey
Takoma Park, Maryland
Summit, New Jersey

Lexington
East Rochester, New York
New Canaan, Connecticut
Scarsdale, New York
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Villanova, Pennsylvania
Scarsdale, New York
McLean, Virginia
Jacksonville, Florida
Swampscott
Upper Montclair, New Jersey
Essex Fells, New Jersey
Hockessin, Delaware
Shaker Heights, Ohio
Evanston, Illinois
Geneva, Illinois
West Hartford, Connecticut

Sarasota, Florida
Washington, D. C.
Pittsfield
Cincinnati, Ohio
Bennington, Vermont
Charlottesville, Virginia
Pittsburgh, Pennsylvania
Pittsford, New York
Firenze, Italy
Buffalo, New York
New York, New York
Essex Fells, New Jersey
Wollaston
Springfield
Buffalo, New York
North Adams
Warren, Ohio

New Orleans, Louisiana
Milwaukee, Wisconsin
White Plains, New York
Staunton, Virginia
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Duluth, Minnesota
Rochester, New York
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Potsubay, Richard Taylor '63
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Park Ridge, Illinois
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Dayton, Ohio
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Rye, New York
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Painesville, Ohio
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Holyoke
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Downingtown, Pennsylvania
Braintree
Portland, Oregon
Chestnut Hill
Bethlehem, Pennsylvania
Forest Hills, New York
Cincinnati, Ohio
Orange, New Jersey

New Canaan, Connecticut
Mansfield, Ohio

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Silverman, Henry Richard '61
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Simon, Lawrence Meyer '62
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Simunek, Frank Gerald '63
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Sleeper, Robert David '61
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Smith, Christopher Hammond '60
Smith, Dean, Jr. '62
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Smith, John Townsend, Jr. '62
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Smith, Richard Evans '61
Smith, Roger Wolcott '62
Smith, Stewart Hymers '60
Smith, Theodore Carlton, III '62
Smith, William Nathan Harrell, IV '60
Snyder, Peter Joseph '61
Solomon, Martin Paul '60
Sommerfeld, William Frederick, Jr. '62
Sorensen, Arthur Holmes '63
Spear, Thomas Turner '62
Spencer, H(enry) Allen '61
Spivack, William Allen '61
Spooner, F(orrest) Allen '63
Stabell, Peter Bredo '63
Stabenau, Heinrich Hermann '61

Directory of Students

Millburn, New Jersey
Rochester, New York
Larchmont, New York
Wynnewood, Pennsylvania
Pikesville, Maryland
Sandusky, Ohio
Nicholson, Pennsylvania
Fremont, Ohio
Fort Wayne, Indiana
Houston, Texas
Dayton, Ohio
Briarcliff, New York
Saint Andrews, Tennessee
Mamaroneck, New York
Marblehead
Great Neck, New York
Mount Vernon, New York
Brooklyn, New York
New Brunswick, Canada
Oxford
Maplewood, New Jersey
Southport, Connecticut
Stamford, Connecticut
Worcester
Southport, Connecticut
Savannah, Georgia
Ithaca, New York
St. Joseph, Missouri
Melrose
Melrose
Gettysburg, Pennsylvania
Springfield, Pennsylvania
Pawling, New York
Hempstead, New York
Wayne, Pennsylvania
Los Angeles, California
Wilmington, Delaware
Riverdale, New York
New York, New York
Atlantic Highlands, New Jersey
Litchfield, Connecticut
Robins A. F. B., Georgia
Elizabeth, New Jersey
Yonkers, New York
Oslo, Norway
Sparkill, New York
Directory of Students

Stanton, Barclay Reynolds, Jr. ’61
Staples, Jack Robison, Jr. ’62
Starky, Alexander Greene ’62
Starr, Danforth White ’61
Stauffer, Howard Boyer ’63
Stayton, John William, Jr. ’63
Stegall, Ronald Davis ’60
Stegeman, Robert Hilton, Jr. ’60
Steinmuller, Stephen Richard ’62
Stemplen, Ronald Jacob ’63
Stern, Robert John ’60
Stevens, Robert Bernard ’63
Stevenson, Gordon McKay ’61
Stevenson, Walter Davis, III ’62
Steward, David Eyre ’60
Steward, David Leland ’63
Stewart, Arthur Murdoch, III ’62
Stewart, Thomas Somerville, III ’60
Stoddard, Brooks Whitney ’60
Stolzberg, Stephen Michael ’63
Stout, Anthony Carder ’61
Strauss, Carl Albert, Jr. ’61
Strauss, Peter ’63
Strubel, Richard Perry ’62
Sullivan, Timothy John, III ’62
Sundaram, Kanda ’63
Sutcliffe, Jon Dobbin ’62
Swann, Jerre Bailey ’61
Sweatland, Louis Richard, Jr. ’63
Swett, Richard Williams ’62
Swift, Geoffrey Russell ’60
Sykes, James William ’63
Sykes, Richard Macrae ’61
Symmes, Roger Hawkes ’61

Tanaka, Yasuhiko B.P.
Tarses, Michael Jay ’62
Taylor, Charles Emery ’61
Taylor, Robert Morgan ’63
Teitelbaum, Mark Lewis ’63
Teleki, Gabor ’61
Telkins, A(lbert) Stephen, Jr. ’62
Temple, Ralph Sterling, Jr. ’62
Tenney, David Allan ’61
Terhune, Everit Bogart, III ’63
Terrell, Louis Mordecai ’60

Church Hill, Maryland
Shaker Heights, Ohio
Westport, Connecticut
Greenwich, Connecticut
Hershey, Pennsylvania
Austin, Texas
Bloomington, Indiana
Ft. Thomas, Kentucky
Marblehead
Meriden, Connecticut
Philadelphia, Pennsylvania
East Orange, New Jersey
Summit, New Jersey
Quincy, Illinois
Stockton, New Jersey
Houston, Texas
Needham
Haverford, Pennsylvania
Williamstown
Rockaway, New Jersey
Plainfield, New Jersey
Cincinnati, Ohio
Cincinnati, Ohio
Barrington, Illinois
Miami, Florida
Salem, India
South Orange, New Jersey
Gadsden, Alabama
Pittsfield
Fayetteville, New York
Hingham
Brookville, New York
Brookville, New York
Winchester

Tokyo, Japan
Baltimore, Maryland
Scarsdale, New York
West Orange, New Jersey
Hewlett, New York
Hungary
Abington, Pennsylvania
Niagara Falls, New York
Westfield, New Jersey
Malvern, Pennsylvania
Baltimore, Maryland
Thayer, Stephen Cook, Jr. ’61
Theiler, Hans Peter ’63
Thomas, John Jenkins ’61
Thomas, Stephen Russell ’63
Thoms, Frank Rodger, III ’60
Thoms, Peter Wilcox ’62
Thornton, David Stevens ’61
Thurow, Glen Edward ’62
Thurow, Lester Carl ’60
Tierney, Kevin ’60
Tierney, Thomas Bester ’60
Tilton, Sumner Burnham, Jr. ’60
Tobin, Gregory Bennett ’60
Todt, William Harold ’60
Tompkins, Joseph Gordon, Jr. ’62
Tompson, John Robert ’62
Totten, Michael Walke ’63
Travers, John Fifield ’60
Trescott, Peter Chapin ’62
Tucker, Robert Marshall ’62
Tuttle, Thomas Rogerson, Jr. ’63
Tygrett, Howard Volney, Jr. ’61
Tyler, Anthony Otis ’61

Umen, Andrew Jay ’61
Urbach, James Ivan ’61
Urdang, Elliot Wolfe ’63

van der Burgh, Charles Edwin, III ’63
van Horne, Pieter Hammond ’63
Van Hoven, James Brinkerhoff ’62
Van Vleck, Howard Austin, Jr. ’63
Varnum, Roger Edward ’60
Vaughan, Michael Strickler ’63
Vaughn, William Montgomery, III ’62
Velis, George John ’60
Verinis, John Scott ’63
Verville, Richard Emery ’61
Vickery, Eugene Benton, Jr. ’62
Vincent, Francis Thomas, Jr. ’60
Vogt, Kenneth William ’60
Volkhausen, John Walter ’61
Volkman, Edward A. ’62
von Stein, William Thomson ’61
Voorhees, Daniel Gilbert ’63

Waddell, William Robert ’62
Directory of Students

Wadsworth, J(ohn) Spencer '61
Wales, Roger Mastick '62
Walker, L(ewis) Gordon, III '62
Walker, William Michael '63
 Walters, Philip Tice '63
Waltman, Arthur Conrad '61
Warch, Richard '61
Ward, Francis Edward '62
Warren, Edward MacLean '62
Warren, Roger Kent '63
Watkins, Robert Mason '63
Watts, James Owen, III '62
Way, Anthony Biden '62
Weatherwax, Allan Guy, Jr. '63
Weaver, Samuel Davis '61
Webb, Charles Richard '61
Weber, Eugene Mathew '61
Weber, Peter Justin '63
Webster, Arthur Garfield, III '62
Weigl, Peter Douglas '62
Weiner, Roy Samuel '63
Weinland, Thomas Pogue '61
Weinstock, Stephen Mark '63
Weiss, Andrew Bruce '61
Wentz, Frederick Mann '62
West, Gregory Haller '63
West, Jack Clark '63
Wheeler, William Silver, 3rd '60
Wheelock, David Eliot '61
Wheelock, Joseph Albert, Jr. '60
Whitaker, Seldon Vaughn, Jr. '62
Whitbeck, Philip Fletcher, Jr. '62
White, Albert Gerhard '62
White, Allan James '60
White, David Neil '61
White, James Stevenson '61
White, John Kirkwood '60
White, Lynn Townsend, III '63
White, Michael Stuart '61
White, Thomas Raeburn, 3rd '60
Whiteford, William Burnham '61
Whitman, John Gilbert, Jr. '60
Whitman, William Fifield, Jr. '62
Whitney, John Amos '61
Whitney, William Hales '63
Whittemore, David Otis '61

-- Fort Thomas, Kentucky
-- Binghamton, New York
-- Cleveland Heights, Ohio
-- Detroit, Michigan
-- Washington, D. C.
-- Easton, Pennsylvania
-- Ho-Ho-Kus, New Jersey
-- White Bear Lake, Minnesota
-- Rochester, New York
-- Ridgefield, Connecticut
-- Winchester
-- Forest, Virginia
-- Port Chester, New York
-- Jackson, Michigan
-- Greenwich, Connecticut
-- South Pasadena, California
-- Vassar, Michigan
-- Mountain Lakes, New Jersey
-- Wilmington, Delaware
-- Chappaqua, New York
-- Newburgh, New York
-- Chappaqua, New York
-- Brooklyn, New York
-- Flushing, New York
-- Haverford, Pennsylvania
-- Columbus, Ohio
-- Thornwood, New York
-- Winston-Salem, North Carolina
-- Danbury, Connecticut
-- Greenville, Delaware
-- Devon, Pennsylvania
-- Rochester, New York
-- Penllyn, Pennsylvania
-- Harrison, New York
-- Washington, D. C.
-- Glencoe, Illinois
-- Chevy Chase, Maryland
-- Los Angeles, California
-- Evanston, Illinois
-- Penllyn, Pennsylvania
-- Baltimore, Maryland
-- Wollaston
-- Manhasset, New York
-- Weston
-- Altadena, California
-- Framingham
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<td>Wurtzel, Alan Edward</td>
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<td>Wyckoff, Walter Watson</td>
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</table>

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Directory of Students

Yocum, Chris Richard '63 Springfield, Pennsylvania
Zaentz, S(amuel) Donald '63 Clifton, New Jersey
Zeiders, Robert Scott '61 Canton, Ohio
Zelle, Lee Kane '63 Springfield, Illinois
Zurn, David Melvin '60 Erie, Pennsylvania

GRADUATE STUDENTS

George Carlton Adams, Jr., 1957
Chemistry, Northeastern University Williamstown
Vaniah Harmer Baldwin, Jr., 1959
Chemistry, University of Alabama Williamstown
Danute Irene Basiulis, 1959
Chemistry, University of Massachusetts North Adams
Warren Elmer Berner, 1959
Chemistry, Alfred University Williamstown
Darnall Parker Burks, 1958
Physics, Wesleyan University Williamstown
Neil Thomas Buske, 1959
Physics, Worcester Polytechnic Institute Oswego, New York
Radford Byerly, Jr., 1958
Physics, Williams College Houston, Texas
Frank Caruccio, 1959
Physics, Northeastern University North Adams
George Edward Cormier, 1952
Chemistry, Clark University Williamstown
Rene Edgar Coté, 1958
Chemistry, Providence College Woonsocket, Rhode Island
Edward Joseph Coughlin, III, 1957
Chemistry, Princeton University Williamstown
John Francis D'Amico, 1954
Physics, Massachusetts Institute of Technology Williamstown
Dennis Francis Doucette, 1958
Physics, Williams College Winchester
Gordon Fred Dyndor, 1957
Physics, Tri-State College Adams
John M. Eckfeldt, 1949
Chemistry, University of New Hampshire Williamstown
James Nicholas Edwards, 1957
Physics, Williams College Duxbury
Leonid Fedotowsky, 1945
Physics, Technische Hochschule Stuttgart North Adams
Richard Raymond Garnache, 1959
Physics, University of Maine Stamford, Vermont
<table>
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<tr>
<th>Name</th>
<th>Year</th>
<th>Field</th>
<th>Institution</th>
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<tr>
<td>Harold Irwin Geller</td>
<td>1959</td>
<td>Chemistry</td>
<td>Alfred University</td>
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<tr>
<td>Ronald George Hadge</td>
<td>1958</td>
<td>Physics</td>
<td>Massachusetts Institute of Technology</td>
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<tr>
<td>Jay Lee Harris</td>
<td>1958</td>
<td>Physics</td>
<td>Purdue University</td>
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<tr>
<td>Clinton Eugene Hutchins</td>
<td>1955</td>
<td>Physics</td>
<td>University of Maine</td>
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<tr>
<td>Charles Frederic Lavine</td>
<td>1959</td>
<td>Physics</td>
<td>Cornell University</td>
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<tr>
<td>Richard Charles Lehrbach</td>
<td>1958</td>
<td>Biology</td>
<td>Williams College</td>
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<tr>
<td>Joseph Lindmayer</td>
<td>1955</td>
<td>Physics</td>
<td>Technical University, Budapest</td>
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<tr>
<td>Orlando Angelo Lupianez</td>
<td>1958</td>
<td>Physics</td>
<td>Manhattan College</td>
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<tr>
<td>Arthur Clement McAdams</td>
<td>1954</td>
<td>Chemistry</td>
<td>Bucknell University</td>
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<tr>
<td>William J. McRae</td>
<td>1957</td>
<td>Physics</td>
<td>Milwaukee School of Engineering</td>
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<tr>
<td>Daniel Mannheim</td>
<td>1954</td>
<td>Chemistry</td>
<td>University of Connecticut</td>
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<tr>
<td>Earl Louis Meeks</td>
<td>1958</td>
<td>Physics</td>
<td>Florida State University</td>
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<tr>
<td>Richard Charles Moore</td>
<td>1959</td>
<td>Biology</td>
<td>University of Bridgeport</td>
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<td>James Edward Mulford</td>
<td>1958</td>
<td>Physics</td>
<td>Massachusetts Institute of Technology</td>
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<tr>
<td>Francis Joseph Pakulski</td>
<td>1959</td>
<td>Physics</td>
<td>Worcester Polytechnic Institute</td>
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<tr>
<td>Maggio Paul Pechini</td>
<td>1949</td>
<td>Chemistry</td>
<td>Lebanon Valley College</td>
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<tr>
<td>Clifton George Pochop</td>
<td>1958</td>
<td>Physics</td>
<td>University of Vermont</td>
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<tr>
<td>Edward Conrad Reifenstein, III</td>
<td>1959</td>
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<td>Williams College</td>
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<tr>
<td>Herbert Luther Rice, III</td>
<td>1959</td>
<td>Physics</td>
<td>East Providence, Rhode Island</td>
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<td>William Donald Richardson</td>
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<td>Physics</td>
<td>Massachusetts Institute of Technology</td>
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<tr>
<td>Benedict Phillip Rosen</td>
<td>1958</td>
<td>Physics</td>
<td>Norwich University</td>
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<td>Robert Rothstein</td>
<td>1959</td>
<td>Physics</td>
<td>Massachusetts Institute of Technology</td>
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<td>Ronald Richard Russell</td>
<td>1958</td>
<td>Physics</td>
<td>Tri-State College</td>
</tr>
</tbody>
</table>
Directory of Students

Charles Arthur Schweighauser, 1958
  English, Williams College
  Clayton, Missouri

John More Seacord, 1954
  Physics, U. S. Naval Academy
  Williamstown

William Glover Seeley, 1958
  Physics, Massachusetts Institute of Technology
  South Williamstown

Robert Leroy Severance, 1958
  Physics, Williams College
  Springfield

Charles Yonge Wrigley, 1957
  Physics, Williams College
  Bronxville, New York

ENROLLMENT BY CLASSES, SEPTEMBER 1959

Graduate Students .................................................. 43
Seniors ................................................................. 253
Juniors ................................................................. 264
Sophomores .......................................................... 299
Freshmen ............................................................. 289
Bowdoin Plan ......................................................... 4

Total ......................................................................... 1152

ENROLLMENT BY CLASSES, JANUARY 1960

Graduate Students .................................................. 34
Seniors ................................................................. 249
Juniors ................................................................. 262
Sophomores .......................................................... 298
Freshmen ............................................................. 290
Bowdoin Plan ......................................................... 4

Total ......................................................................... 1137

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Connecticut ......................................................... 92
Delaware ............................................................. 12
District of Columbia ............................................ 10
Florida ............................................................... 13
Georgia .............................................................. 13
Hawaii ..................................................................... 5
Illinois ................................................................. 46
Indiana ............................................................... 16
Kentucky ............................................................. 25
Louisiana ............................................................ 14

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<table>
<thead>
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<th>State</th>
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<td>Maine</td>
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Total: 1126
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Shelby V. Timberlake '42, Pelham Manor, N. Y.
Tom K. Smith Jr. '39, St. Louis, Mo.

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William B. Tippy '30, Scarsdale, N. Y.
Andrew B. Jones '35, Stockbridge, Mass.

Retiring 1962
Mark C. Wheeler '36, Needham, Mass.

Retiring 1963
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R. Douglas Swinehart '32, West Hartford, Conn.

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John M. Dodd '19, New York, N. Y.
Torrence M. Hunt '44, Pittsburgh, Pa.

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JOHN C. HITCHCOCK '50, ASSOCIATE EDITOR, Williamstown, Mass.

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Numerical Legend

1. Cluett House
2. Sterling and Francine Clark Art Institute
3. Phi Sigma Kappa Fraternity
4. Delta Upsilon Fraternity
5. Delta Psi Fraternity
6. Kappa Alpha Fraternity
7. Phi Gamma Delta Fraternity
8. Delta Phi Fraternity
9. Beta Theta Pi Fraternity
10. Zeta Psi Fraternity
11. Alpha Delta Phi Fraternity
12. Greylock Hall
13. Adams Memorial Theatre
14. Phi Delta Theta Fraternity
15. Delta Kappa Epsilon Fraternity
16. Chi Psi Fraternity
17. Mather House
18. Faculty House
19. St. John's Episcopal Church
20. Theta Delta Chi Fraternity
21. Psi Upsilon Fraternity
22. Old Faculty Club (Placement Bureau)
23. Clark Hall (Geology Laboratory)
24. Thompson Biology Laboratory and Thompson Chemistry Laboratory
25. Thompson Physics Laboratory
26. West College
27. Jesup Hall
28. Morgan Hall
29. President's House
30. Baxter Hall (Student Union)
31. Sage Hall
32. Williams Hall
33. Chapin Hall
34. First Congregational Church
35. Hopkins Hall (Administration Offices)
36. Sigma Phi Fraternity
37. Fernald House
38. Lehman Hall
39. Haystack Monument
40. Williams Hall Annex
41. Sage Hall Annex
42. Thompson Infirmary
43. Stetson Road Apartments
44. Field House
45. Williams Inn
46. Stetson Hall (Library)
47. Thompson Memorial Chapel
48. Griffin Hall
49. Lasell Gymnasium
50. Squash Courts
51. Goodrich Hall
52. Lawrence Hall (Art Museum)
53. East College
54. Currier Hall
55. Berkshire Hall
56. Hopkins Observatory
57. Fayerweather Hall
58. Baseball Cage
59. Alumni House
60. Weston Field
61. Taconic Golf Course
PRELIMINARY APPLICATION FORM

Preliminary application for admission may be made by sending the detachable form below to the Director of Admissions, Williams College, Williamstown, Massachusetts. Early application is advised though priority is not a factor in selection. Final application forms are sent to candidates in October of the senior year. Students who file preliminary application cards after October 15 will be sent application forms at once.

Details of the admission procedure are given on pages 14 through 19.
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<th>DECEMBER</th>
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# College Calendar

## 1960-1961

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<td>Saturday</td>
<td>Enrollment</td>
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<tr>
<td>Sept. 24</td>
<td>Saturday</td>
<td>Trinity game away</td>
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<tr>
<td>Sept. 25</td>
<td>Sunday</td>
<td>First Chapel Service</td>
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<td>Sept. 26</td>
<td>Monday, 8 a.m.</td>
<td>Classes begin</td>
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<tr>
<td>Oct. 1</td>
<td>Saturday</td>
<td>Convocation—10 and 11 o'clock classes 4 and 5 Friday</td>
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<tr>
<td>Oct. 22</td>
<td>Saturday</td>
<td>College Holiday—Saturday classes</td>
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<td>Oct. 28</td>
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<td>Oct. 29</td>
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<tr>
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<td>Preliminary Freshman Warnings due</td>
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<td>Nov. 12</td>
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<td>Freshman Parents' Day</td>
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<td>Nov. 19</td>
<td>Saturday, 12 m.</td>
<td>Wesleyan game home—10 and 11 o'clock classes 4 and 5 Friday</td>
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<td>Wednesday, 12 m.</td>
<td>Amherst game away—10 and 11 o'clock classes 4 and 5 Friday</td>
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<td>Nov. 28</td>
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<td>Warnings due</td>
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<td>Saturday, 12 m.</td>
<td>Thanksgiving recess begins</td>
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<td>Thanksgiving recess ends</td>
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<td>Christmas recess begins</td>
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<tr>
<td>Jan. 21</td>
<td>Saturday</td>
<td>Christmas recess ends</td>
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<td>Monday through Monday</td>
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<td>Wednesday</td>
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<td>Friday and Saturday</td>
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<td>Saturday and Sunday</td>
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<td>Winter Carnival—College Holiday</td>
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<td>Mar. 25</td>
<td>Saturday, 12 m.</td>
<td>Warnings due</td>
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<td>Wednesday, 8 a.m.</td>
<td>Spring recess begins</td>
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<td>May 6</td>
<td>Saturday</td>
<td>Spring recess ends</td>
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<td>May 13</td>
<td>Saturday</td>
<td>College Holiday—Saturday classes</td>
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<td>May 22</td>
<td>Monday</td>
<td>Friday morning</td>
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<td>May 23</td>
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<td>May 24-June 1</td>
<td>Wednesday through Thursday</td>
<td>Second semester classes end</td>
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<td>May 30</td>
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<td>Friday</td>
<td>Final examinations</td>
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