No Longer 1920 ... (See Back Cover)

INFORMATION
ON ORGANIZATION, FACILITIES, ADMISSION
AND CURRICULUMS FOR THE 1946-47 SESSIONS
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Until 1945, June issues of the University of Hawaii Bulletin contained an announcement of courses as well as general information for the coming year. In 1945 the announcement of courses was in the September issue, as it will be this year. That issue also will list the faculty and staff and will contain a summary of enrollment in the 1945–46 sessions.
<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<td>Freshman Orientation Period</td>
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<td>Registration of unclassified and graduate students</td>
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<td></td>
</tr>
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<td>Feb. 3, Monday</td>
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</tr>
<tr>
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</tr>
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<td>Washington's Birthday (holiday)</td>
</tr>
<tr>
<td>Apr. 4, Friday</td>
<td>Easter recess</td>
</tr>
<tr>
<td>Apr. 5, Saturday</td>
<td></td>
</tr>
<tr>
<td>May 22, Thursday</td>
<td>Last day of instruction in Second Semester</td>
</tr>
<tr>
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</tr>
<tr>
<td>May 30, Friday</td>
<td>Memorial Day (holiday)</td>
</tr>
<tr>
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<td>Second Semester ends</td>
</tr>
<tr>
<td>June 10, Tuesday</td>
<td>Commencement</td>
</tr>
</tbody>
</table>
GENERAL INFORMATION

Description

The University of Hawaii lies at the mouth of Manoa Valley in Honolulu, on the island of Oahu. It is three miles from the business center of Honolulu and two miles from Waikiki Beach. Ten other tracts of land on the islands of Oahu, Maui, and Hawaii bring the University's landholdings to 400 acres.

Established by act of the legislature of the Territory of Hawaii in 1907, the University bears the same relation to the Territory as the state universities to their states. Support of the University comes from appropriations of the Territorial Legislature and of the United States Congress, and from miscellaneous funds that include gifts and student fees. Although the University of Hawaii never received a grant of land such as that provided for similar colleges of the states under the original Morrill Act of 1862, it is a federal land-grant college and shares in benefits from the Second Morrill Act of 1890, the Nelson Amendment of 1907, and subsequent legislation.

HISTORY. The institution was known as the College of Agriculture and Mechanic Arts from 1907 to 1911, and the College of Hawaii from 1911 to 1920. The College opened September 14, 1908, with five students in regular courses and a faculty of twelve. Before the end of the year thirty-one students had enrolled in special courses. The College was temporarily located on the grounds now occupied by the Lincoln School in Honolulu; in 1912 the institution was moved to its present site. When the College of Arts and Sciences was added in 1920, the name was changed to the University of Hawaii.

In 1931 the Territorial Legislature united the Territorial Normal and Training School with the University School of Education to form Teachers College of the University and placed the property of the Normal School under the control of the Board of Regents of the University.

OPEN TO ALL. Instruction is available to all persons who are qualified, regardless of sex, racial ancestry, or nationality.

FULLY ACCREDITED. The University is fully accredited by the Association of American Universities. Its students may transfer to other American and to European and oriental universities on the same basis as students of other American universities.

CONTROL OF THE UNIVERSITY. Government of the University resides in a Board of Regents appointed by the Governor of the Territory for individual terms of four years. The statutes and bylaws of the Board of Regents are published in a pamphlet available upon request.

DIVISIONS OF THE ACADEMIC YEAR. The University divides its academic year into two semesters of eighteen weeks each and a summer session of six weeks. The semester beginning in the autumn is known as the First Semester, and that beginning in the winter is known as the Second Semester.

UNIVERSITY COLORS. The University of Hawaii colors are green and white.

COMMUNICATIONS TO THE UNIVERSITY. Letters of general inquiry from prospective students should be addressed to the Registrar.

The mailing address of the University is P. O. Box 18, Honolulu 10, Territory of Hawaii.
Administrative Organization

Since July 1, 1943, the University has operated under a new plan of organization, unanimously endorsed by the University Senate and adopted by the Board of Regents on February 23, 1943. This plan continues the College of Arts and Sciences, the College of Applied Science, Teachers College, the Agricultural Experiment Station, the Agricultural Extension Service, the Psychological Clinic, and the Library as separate entities, and, in addition, provides for a Graduate Division and an Office of Student Personnel to coordinate the work of admissions, counseling, and registration.

Under this plan departments are units of the University as a whole, rather than of colleges, and are responsible to the Dean of Faculties on matters of finance and personnel. Coordination of the departments with the colleges in instructional matters is obtained through a Council of Deans, of which the Dean of Faculties is chairman. The Summer Session and the University Extension Division are under the supervision of the Dean of Faculties and the Council of Deans.

The University Senate, composed of all faculty members of the rank of Professor and Associate Professor and others designated by the Board of Regents, acts as an advisory body to the President on matters of instruction and related problems.

Related Services

In addition to its instructional program, the University offers several other forms of public service.

THE PSYCHOLOGICAL AND PSYCHOPATHIC CLINIC. This Clinic is a territorial agency under the management of the University. It was established by act of the Legislature in 1921, with the dual purpose of psychological investigation and of individual clinical examinations. The Act gives wide scope to the work of the Clinic, making its service in examination available to every institution and to all social and educational agencies in the Territory. Through traveling psychologists this work has been extended to the other islands. Research work carried on by the Clinic relates in large part to racial differences, a question of international significance. In its special field, lecture courses are offered by certain members of the Clinic staff.

LEGISLATIVE REFERENCE BUREAU. The 1943 Legislature created the Legislative Reference Bureau as a department of the University to help solve current legislative and governmental problems. The Bureau is situated on the campus; during sessions of the Legislature, an additional office is maintained in Iolani Palace. On request, it provides members of the Legislature, the Governor, and departments, institutions, and agencies of the Territory with information and reports concerning legislative problems that come before them.

HAWAII WAR RECORDS DEPOSITORY. A resolution of the 1943 Legislature stated, in part, that "it will be advisable, after the termination of the present war . . . to compile a history of Hawaii's part in such war"; it designated the University of Hawaii as "the official depository of material, documents, photographs and other data relating to Hawaii's part in said war"; and it required the University to collect and preserve such materials. Under this mandate the University established the Hawaii War Records Depository, which operates under the general guidance of a faculty War Records Committee. There is an advisory committee appointed by the president of the Hawaiian Historical Society.
SEISMOLOGICAL OBSERVATORY. The United States Coast and Geodetic Survey operates a seismological observatory in Gartley Hall, under an agreement with the University whereby the results and observations are placed at the service of the Territory.

THE VOLCANO LABORATORY. On the island of Hawaii, the Laboratory is conducted in cooperation with the National Park Service and the Hawaiian Volcano Research Association, and offers research possibilities to both graduate students and investigators who wish to pursue their own studies in subjects pertaining to volcanology.

THE AQUARIUM. At Waikiki Beach the University operates the Aquarium as a place of education and entertainment for the benefit of local residents and visitors.

Cooperating Institutions

To add to the research facilities which it offers students and to expand its services to the Territory, the University has made cooperative agreements with several other institutions.

THE PINEAPPLE RESEARCH INSTITUTE OF HAWAII. This Institute, independently supported by the pineapple industry, is affiliated with the University. The administrative offices and research laboratories are in Institute buildings on and adjacent to the University campus. Field studies are carried on at Wahiawa, where the Institute maintains a 100-acre experimental farm.

BERNICE PAUAHI BISHOP MUSEUM. The University and the Bishop Museum reciprocate in the use of libraries, laboratories, collections, and other facilities of research. Advanced students may use the Museum facilities when working under proper direction, subject to such regulations as may be deemed expedient by the director of the Museum.

INSTITUTE OF PACIFIC RELATIONS. The research library accumulated by the Honolulu Branch of the Institute of Pacific Relations, affording excellent facilities for the study of international affairs, constitutes a part of the University Library.

HONOLULU ACADEMY OF ARTS. This institution, built and endowed by Mrs. Charles M. Cooke, has made its fine collections of art objects available to the students and instructors of the University.

HAWAIIAN SUGAR PLANTERS' ASSOCIATION. This association has provided $100,000 for the erection of a building on the University campus to house the Agricultural Engineering Institute, where shop facilities will be available for instructional and research purposes.

FRUIT FLY LABORATORY. The United States Bureau of Entomology maintains on the University campus a research laboratory and a corps of investigators for the study of fruit fly pests in Hawaii.

QUEEN'S HOSPITAL. The Queen's Hospital and the University cooperate in conducting a training course for nurses. Part of the courses of instruction are offered at the University and others at the Hospital.

THE HAWAII SCHOOL OF RELIGION. The Hawaii School of Religion, an independently supported institution managed by its own Board of Trustees, is affiliated with the University and its courses are accepted for credit. Members of its staff are approved by the University Board of Regents and given academic rank on the University Faculty.
Campus and Buildings

The principal buildings on the campus are Hawaii Hall, Gartley Hall, Dean Hall, the Library, the Social Science Building, Teachers College and its laboratory centers (the Elementary School and Castle Memorial Hall), Farrington Hall, the Engineering Quadrangle, Gilmore Hall, the Home Economics Building, the Gymnasium, and Hemenway Hall. All of these except the Gymnasium, the Elementary School, and Castle Memorial Hall are built of reinforced concrete.

Hawaii Hall is the administration building. The biological sciences are housed chiefly in Dean Hall. The physical sciences are centered in Gartley Hall. Farrington Hall, an auditorium with a backstage extension, is well equipped for work in dramatics. The engineering laboratories and classrooms are in the four buildings composing the Engineering Quadrangle. The Arthur L. Andrews (outdoor) Theater, whose backdrop consists of a tropical garden and the Koolau mountain range, is the setting for Commencement and other University programs.

The Library contains 162,950 bound volumes and 378,829 unbound parts and pamphlets, exclusive of the Teachers College Elementary School Library, and serves as a depository for government publications. Extensive collections of Chinese and Japanese works and a growing collection of valuable books and periodicals about Hawaii make the University of Hawaii an excellent place to study international relations, especially those concerning the Pacific area. The Library files include local and mainland newspapers, and literary, technical, and scientific periodicals. These materials are available to all persons complying with library regulations.

Hemenway Hall is a general social center for students and faculty, and furnishes quarters for both student and alumni organizations. In it a bookstore and a cafeteria are maintained.

Residence accommodations on or near the campus include the Charles H. Atherton House for men and Hale Laulima for women students.

A swimming pool, tennis courts, and locker buildings are located near Hemenway Hall. Wise Field, which is used for football and baseball practice and military drill, and Cooke Field, which is used for track sports, also afford facilities for physical education and sports.

The Honolulu Stadium, with a seating capacity of 22,000, is equipped for football, baseball, and other outdoor sports, and is regarded as an integral part of the University's plant resources for physical education and athletics. It is owned and managed by the Honolulu Stadium Corporation.

Other buildings connected with the University include the R.O.T.C. Building, Hawaii Hall Annex (which houses the Psychological Clinic and the offices of the English Department), the Nutrition Laboratory, and the United States Bureau of Entomology Building on the campus; the Marine Biological Laboratory at Waikiki Beach; and the Astronomical Observatory in Kaimuki. A part of the campus is occupied by an experimental farm, which is devoted to solving problems of Hawaii's dairymen, poultrymen, and livestock raisers and which provides instructional facilities for students of agriculture.

The herbaria of the University and of the Bishop Museum, which are combined under the custodianship of the Museum, contain the most nearly complete collection of Hawaiian plants in existence, and include some species now extinct. The most valuable parts are the cotypes of Dr. W. Hillebrand's species and the types of many new species collected by later botanists.
Classification of Students

Students in the University, other than auditors and those taking extension and correspondence courses, are classified as undergraduates and graduates.

Undergraduate students are designated as regular or unclassified.

Regular students are those who are pursuing organized programs of study and who comply with the established regulations which lead, usually after four years of work, to a bachelor's degree. Regular students ordinarily carry full-time programs (ten semester hours or more). Freshmen and Sophomores are lower-division students; Juniors and Seniors, upper-division students.

Unclassified students are those who, although registered for credit, are not enrolled as candidates for degrees. They usually carry only part-time programs (fewer than ten semester hours).

Graduate students (graduates of this University or of other institutions of approved standing) are subdivided into four groups: candidates for advanced degrees, candidates for five-year diplomas, candidates for certificates in social work, and noncandidates.

Advanced degree candidates are those who pass qualifying examinations and pursue programs of study leading to advanced degrees.

Five-year diploma candidates are persons taking graduate work in Teachers College.

Candidates for certificates in social work are persons taking graduate work in the School of Social Work.

Most of the other graduate students—who are not candidates for degrees or diplomas—are teachers seeking professional improvement by taking graduate courses. Some of them are following a program leading to the Professional Certificate awarded by the Department of Public Instruction.

Auditors are those who are permitted to attend certain courses as listeners, but who take no part in the class work and receive no credit.

Admission

Candidates for admission must present satisfactory evidence of ability to do university work.

Those who desire to become regular or unclassified students and who have not previously earned credits in an institution of higher learning must apply to the Office of Admissions. A high school senior who plans to enter the University within a year should file his application during the final semester of his high school course. In any case, application should be filed at least one month before the opening of the semester in which enrollment is desired. Requests for application forms and questions about admission should be addressed to the Office of Admissions.

The application procedure for persons who have credits from other institutions of higher learning is described hereafter under "Admission to Advanced Standing."

Admission of Regular Students Entering the University for the First Time. Admission to first-year standing in the University depends on a number of factors, including performance on college aptitude tests, quality of high school work, and various ratings by the preparatory school. A high rating in one factor alone will not insure admission; nor will poor performance on one measure alone exclude an applicant if other evidence indicates he might be successful. Ordinarily a student should average B or better in his high school work, although an applicant with a C average who scores above average on the college aptitude test may be admitted. The quality of work done during the last two years in secondary school receives special consideration.
College aptitude and English tests are given by the University in high schools of the Territory each spring. Students seeking admission in the autumn who have not had such examinations take them during the Freshman Orientation Period (see "University Calendar"). Modern language placement tests are also given during the Freshman Orientation Period for students intending to enter advanced courses in Hawaiian, Chinese, Japanese, French, German, or Spanish.

Every applicant for admission as a regular student who has not previously earned credits in an institution of higher learning must take college aptitude and English examinations and must submit evidence that he has satisfactorily completed at least fifteen units of work in a four-year high school or at least twelve units of work in a three-year senior high school. Increasing emphasis is being put upon the ability to use and understand English, both oral and written. While it is not the policy of the University to refuse admission to an otherwise promising candidate on the basis of poor English alone, an applicant whose high school record and aptitude scores are such as to raise a question regarding his ability to do satisfactory college work, and who, in addition, is poor in oral English will not be admitted.

The word unit as employed here to describe prerequisite preparatory work signifies the satisfactory completion of a course of study pursued for a full school year, with five recitations a week of not less than forty-five minutes each, or the equivalent laboratory or shop exercises. For an acceptable distribution of the units required of entering students, see the table on page 11.

Admission by Examination. Candidates who cannot or do not care to satisfy the foregoing admission requirements may take examinations offered by the College Entrance Examination Board (431 West 117th Street, New York City) and submit statements from the Board covering certain subjects, or take the comprehensive examinations offered by the Board and submit a certificate covering the results of these examinations along with a complete record of work done in preparatory school.

Applicants whom the dean of the college concerned regards as of more than average ability may take entrance examinations offered by the University covering preparatory school subjects.

Veterans whose secondary school education was interrupted by the war may take entrance examinations covering preparatory school subjects. Successful performance on these tests and on the college aptitude test will admit veterans without reference to high school credits. Such veterans, however, must meet all special requirements, such as those in mathematics for admission to the Engineering or Premedical curriculum.

Special Requirements for Certain Programs. In addition to satisfying the requirements of the University as a whole, candidates for admission to certain programs of university work must meet special requirements. Each applicant should study the conditions set by the college he intends to enter and of the program he intends to pursue in that college. Special attention is directed to the following requirements.
## Minimum Unit Requirements for Admission

<table>
<thead>
<tr>
<th>From a 4-Year High School</th>
<th>Subject</th>
<th>From a 3-Year High School</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>English</td>
<td>3</td>
</tr>
<tr>
<td>1</td>
<td>Algebra</td>
<td>1 (Not required if the student had ninth-year general mathematics in intermediate, i.e., junior high school.)</td>
</tr>
<tr>
<td>6</td>
<td>English (in addition to the 3-unit minimum requirement in English) Sciences—Physical, biological, and social Mathematics—(in addition to the 1-unit minimum requirement in mathematics) Foreign Languages—(Entrance credit in foreign language is not granted unless the total number of foreign language units offered includes at least 2 units in some one language.)</td>
<td>4 (If applicant offers ninth-grade mathematics, this requirement is 5 units.)</td>
</tr>
<tr>
<td>5</td>
<td>Any other subjects credited by the high school toward its diploma (no less than ½ nor more than 2 units in any one subject) provided that these subjects have been pursued in accordance with regular classroom procedure involving a reasonable amount of preparation in addition to the time spent in class.</td>
<td>4</td>
</tr>
<tr>
<td>15</td>
<td>. . . . . Total . . . . .</td>
<td>12</td>
</tr>
</tbody>
</table>

Students desiring to study mathematics in the University or to take subjects for which college mathematics is a prerequisite should have had high school algebra through quadratics, and plane geometry. This applies particularly to prospective students in agriculture and premedical work, who must take college mathematics in preparation for physics.

Prospective engineering students must have high school algebra through quadratics, plane geometry, and trigonometry if they wish to complete the University program in four years. It is strongly recommended that they also have solid geometry, mechanical drawing, and physics.

Prospective students of medicine should have had high school algebra through quadratics, plane geometry, two years of a foreign language, two years of history, and three years of science.
Every student entering as a Freshman is expected to be on the campus during the Freshman Orientation Period, the dates of which are stated in the "University Calendar." Entrance examinations, consultations with officers and instructors, and introductory lectures occupy the Period.

**Admission to Advanced Standing.** Students who transfer with sufficient credits from other accredited universities or colleges may be granted advanced standing. These students must present to the registrar an official statement of the studies offered for admission at such institutions, of the studies pursued in college and the grade received in each, and of honorable dismissal. These transcripts become a permanent part of the University files. Credit toward graduation is given only in subjects in which grades of C or better are recorded. Candidates transferring with advanced standing are required to do a minimum of one year's work (30 semester hours) at the University of Hawaii if they wish to receive a bachelor's degree here.

**Admission of Unclassified Students.** Mature persons, ordinarily at least twenty-one years of age, who present satisfactory evidence of their ability to do college work may register as unclassified students and take a limited program. Persons less than twenty-one years of age who desire to carry only a few courses may be admitted as unclassified students if they are able to meet fully the entrance requirements for regular freshman standing.

Persons of some maturity who have had experience that manifestly prepares them for college work may be given entrance credit for such work. For what forms of work credit may be given and how many credits may be granted cannot be stated in advance; each case is considered individually.

Admission as an unclassified student is in no case permitted to serve as a means of avoiding compliance with the requirements laid down for regular students.

**Admission of Auditors.** Persons desiring the privilege of attending classes as auditors must have the written consent of the Chairman of the Committee on Admissions and the chairman of the department concerned.

**Admission of Graduate Students.** Graduates of accredited colleges and universities who wish to pursue graduate study in the University of Hawaii should apply to the Chairman of the Committee on Graduate Study. Each application should be accompanied by an official transcript of undergraduate record and of any graduate work completed at another institution. Admission to graduate study is provisional until such records are on file. These transcripts become a permanent part of the University files.

**Registration, Withdrawal, and Other Changes**

Dates upon which students register for courses in the University are stated in the "University Calendar." Students entering in the autumn receive a circular telling them how to proceed in registering. Courses offered in the University are described in this catalogue under "Courses of Instruction," and a schedule stating the time and place of meeting of each course is issued by the Registrar in September for the First Semester, in January for the Second Semester, and in May for the Summer Session.

**Registration of Undergraduate Students.** Before they register, undergraduates must make a choice from among the three colleges of the University and a selection from among the programs offered in the college chosen. Each undergraduate is assigned
at registration time to a faculty member who acts as his adviser in selecting courses. Credit is given only for courses regularly entered upon the registration card.

**Registration of Graduate Students.** All graduate students follow the same procedure in registration as do undergraduates.

**Arrangement of Credits in Advance.** The number of credits obtainable in most courses is stated in the "Announcement of Courses" issue of the *University of Hawaii Bulletin* and in the time schedule. However, certain courses in which students carry on individual work are marked "credit by arrangement." Such statements do not signify that the credits are to be determined at the end of the semester. The student registers for a definite number of credits and may earn no more than that number.

**Late Registration.** The University permits registration for credit after the announced registration days in any semester only in exceptional cases and for valid reasons. The following rules govern such late registration: (1) in order to register during the first seven days following the last official day of registration, written approval must be obtained from the dean of the college concerned; (2) from the seventh to the fourteenth day, written approval must be obtained from the dean of the college concerned and from the course instructor; (3) and to register at any subsequent time written approval must be obtained from the Council of Deans upon submission of a written petition.

These same rules apply to students who wish to register for courses in addition to those signed for during the official registration period.

Auditors need not comply with these regulations.

**Withdrawal from Courses or from the University.** Withdrawal is the voluntary severance by a student of his connection with a course or with the University. An undergraduate wishing to withdraw from a course must have the written consent of the dean in whose college he is registered. This consent must be stated on a form obtained by the student from the dean and returned to the Registrar bearing the dean's signature. Withdrawals from the University must be applied for on a form available at the Registrar's office; signatures as indicated on the form must be obtained, and the completed application returned to the Registrar's office.

During the first five weeks of a semester a formal withdrawal is marked W on the student's record by the Registrar. A withdrawal at a later date but prior to the last two weeks of a semester is marked W if the work of the student while he was registered in the course was passable; otherwise it is marked F (for failure). Withdrawal from a course during the last two weeks of a semester is not permitted. A student who drops a course without the formality of withdrawing receives an F in the course.

**Other Changes of Students' Programs of Study.** A student may not formally transfer from one of the University's colleges to another during the academic year. Such changes should be applied for in May. Application for transfer should be made on a form obtainable at the Registrar's office. The application must be approved by the deans of the two colleges concerned and should be returned to the Registrar's office by the end of the college year.

**Credits, Grades, Grade Points, Honors**

The University recognizes work accomplished by students in terms of credits, grades, grade points, and honors.
A credit (also called a semester hour and a credit hour) is given to a student for work satisfactorily accomplished during three hours a week spent in the preparation and recitation of assignments in a course, or in the field, or laboratory. The normal division of this time in non-laboratory courses is one hour in the classroom and two hours in preparatory work, but the division of this time is usually left to the instructor in charge.

Grades given in undergraduate courses are A, B, C, D, E, F, and I. The lowest passing grade is D. A grade of E is a conditional failure and a grade of I is incomplete. An E or an I may be removed, but students who receive them are expected to take the initiative by conferring with the instructor or instructors concerned. A student who receives an E may change it to another grade by passing a special examination or performing special work prescribed by the instructor, provided this is done in the semester following that for which the condition was given. However, no grade points (defined herein) are given for a course in which a condition was recorded. An I is given to a student who has failed to complete a small but important part of a semester's work before the semester grades are determined, if the instructor believes that failure was caused by conditions beyond the student's control and not by carelessness or procrastination. To receive credit for a course for which an I has been reported, the student must make up the incomplete work before the Thanksgiving or Easter recess of the semester following that for which the grade was given. If the work is not thus completed, the I will stand and the student will receive neither credits nor grade points in that course. If the work is completed, the instructor will report a semester grade, taking the completed work into consideration. Credits and grade points will then be computed as if a grade of I had not been previously recorded. Credit in a course for which an F is given may be obtained only by repeating the course and passing it.

Grades given in graduate courses are H (for honors), S (satisfactory), and U (unsatisfactory). The honors grade is awarded for exceptionally good work. Graduate students in undergraduate courses are graded on the undergraduate scale, A to F.

Grade points are computed for all courses in which grades are reported, including Military Science, and Health and Physical Education. They are computed as follows: for each credit received in a course 4 grade points are granted if the grade is A, 3 if the grade is B, 2 if the grade is C, and 1 if the grade is D.

Students entering as undergraduates with advanced standing are not given grade points upon work done elsewhere; but on work done in the University of Hawaii such students must gain grade points in the same proportion to credit hours required for graduation as that demanded of other students.

Honors may be granted at graduation to undergraduates who have a grade-point average of 3.4 or above for their undergraduate work. At least sixty semester hours of the work of such honor students must have been obtained at the University during a period not exceeding six years before graduation.

Transfers to Other Institutions. Accredited American institutions of higher learning, including the University of Hawaii, give students who transfer credit toward graduation only in those subjects for which they have received a grade of C or better. (See “Tuition and Fees” for further information about transfers.)

Requirements for Advancement toward Graduation

Scholastic accomplishment in the University of Hawaii is judged by comparing the number of grade points and credits earned with the registered credits, that is, with the number of credit hours for which a student is registered six weeks after the beginning of a semester.
Further registration is denied to the following classes of students:

1. Those who have failed to pass in any semester (or who were not passing when they withdrew from the University) in 50 per cent of their registered credits.

2. Those who have failed to earn after two semesters' attendance 1.5 times as many grade points as the total of their registered credits.

3. Those who are deficient in oral and written English after two semesters' attendance and who have less than a 2.0 grade-point ratio in other subjects. (This provision applies to students who entered the University in September, 1944, and thereafter.)

4. Those who have failed to earn after four semesters' attendance 1.8 times as many grade points as the total of their registered credits.

5. Those whose progress in oral English is unsatisfactory after four semesters of speech instruction.

At the direction of the Faculty Committee on Scholastic Standing, students may be warned in case they fail to pass in any semester in 75 per cent of their registered credits or to maintain a record showing twice as many grade points as total registered credits, and furthermore, may be placed on the grade-point rule, or denied further registration. The grade-point rule is a requirement that a student earn over a stated period of time twice as many grade points as credits for which he is registered, in other words, a C average. Failure to comply with the grade-point rule may result in refusal to permit further registration.

Ordinarily failure in the first semester of a year course bars the student from registering for the second semester of that course.

Warnings of low scholarship are given by instructors and deans, usually at the end of the first and second six-week periods of each semester, but the student should not assume that his work is of passing grade merely because he has not been warned. The University assumes no responsibility if a warning that has been mailed to a student fails to reach him.

Unless satisfactory arrangements have been made with the instructor in advance of the time of a final examination, absence from an examination subjects the student to a grade of zero in the examination, and this grade is taken into consideration in computing the semester grade of the student. When a term paper takes the place of a final examination, it must be submitted at the time stipulated by the instructor; otherwise the grade for the paper is regarded as zero and is so considered in computing the semester grade.

Regular attendance at class and laboratory sessions is expected. Unavoidable absence should be explained to the instructors concerned.

Undergraduate Degree Requirements

Credit and Grade-Point Requirements. The minimum credit requirements for the baccalaureate (bachelor's) degree are as follows: College of Arts and Sciences, 130 (beginning with the class entering in September, 1946); College of Applied Science, 130; Teachers College, 130.

A minimum of 264 grade points is required for graduation from any of the three colleges. (Beginning with the class which entered the University in September, 1944, this requirement will be changed to a 2.0 grade-point ratio for all registered credits except where a W or I was recorded.)
To receive a degree, after failure to graduate because of lack of grade points, a student must earn a specified number of grade points in courses approved by the dean of the college in which the student is registered. The number required is a minimum of thirty grade points in some one semester, or a minimum of fourteen grade points in a six-week summer session.

**KINDS OF BACCALAUREATE DEGREES.** Upon satisfactory completion of a regular program in the College of Applied Science, a candidate is granted the degree of Bachelor of Science (B.S.); the diploma designates the particular program that has been pursued.

The degree of Bachelor of Arts (B.A.) is granted upon the satisfactory completion of a regular program in the College of Arts and Sciences.

Satisfactory completion of a regular program in Teachers College leads to the award of the degree of Bachelor of Education (B.Ed.). Holders of bachelor degrees who complete the Teachers College five-year program, by taking a year of additional work in Teachers College, are awarded five-year diplomas.

**RESIDENCE REQUIREMENTS.** The University grants baccalaureate degrees only to those students who earn a minimum of thirty semester hours in residence (that is, in class or laboratory work on the University of Hawaii campus) and who in addition do one of the following:

1. take a minimum of fourteen credit hours a semester in the University during the two semesters just preceding the granting of the degree; or
2. earn a minimum total of twenty-four residence credits during any four of five consecutive summer sessions just preceding the granting of the degree; or
3. earn a minimum total of twenty-four residence credits by carrying not less than two credit hours per semester and six credit hours per summer in any three of four consecutive years just preceding the granting of the degree.

Not more than 25 per cent of the total credits earned at the University of Hawaii for a degree may be obtained in extension courses (courses offered off the campus); and if the residence requirement conflicts with the extension allowance, the residence requirement takes precedence.

**TIME WITHIN WHICH WORK MUST BE COMPLETED.** All graduation requirements must be completed within ten years of the beginning of work in the University of Hawaii, except that students who were registered in the University prior to 1932 or who were previously registered in the Territorial Normal School have been given certain privileges.

**Medical School Requirements**

Premedical students expecting to enter the University of Hawaii may apply for entrance to the College of Arts and Sciences or to the College of Applied Science. The programs in the two colleges during the first two years, which are based upon the requirements of the American Medical Association, are very similar; they differ in the upper years according to degree requirements of the respective colleges.

Although medical schools generally have adopted the entrance requirements recommended by the American Medical Association, there is considerable variation in requirements among schools. Each prospective student of medicine should inform himself of the requirements of the institution at which he expects to enroll.
**American Medical Association Entrance Requirements**

**Preparatory School.** A minimum of fifteen units, of which at least three must be in English, two in some one foreign language, two in mathematics (including algebra through quadratics), and one in history.

**University.** A minimum of 60 credit hours as follows:

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
<th>University of Hawaii Equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>15</td>
<td>Chemistry 103, 149 (4 credits), 230 (4 credits)</td>
</tr>
<tr>
<td>Physics</td>
<td>8</td>
<td>Physics 102</td>
</tr>
<tr>
<td>Biology</td>
<td>10</td>
<td>Zoology 100, 151, 261</td>
</tr>
<tr>
<td>English Composition</td>
<td>6</td>
<td>English 100 or 101</td>
</tr>
<tr>
<td>French, German, or Spanish</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>45</strong></td>
<td></td>
</tr>
</tbody>
</table>

Fifteen semester hours of electives from the following fields: botany, chemistry, economics, English, history, mathematics, psychology, sociology, and zoology.

**Tuition and Fees**

Students registered for ten or more credit hours in any semester pay $50 for tuition and $10 for registration per semester. Students registered for fewer than ten credit hours in any semester pay $5.00 per credit hour. For summer session fees see the statement under “Summer Session.”

Persons who register after the announced days of registration pay a late registration fee of $1.00.

All fees must be paid in full at the time of registration and no registration card will be finally accepted until it is endorsed showing payment.

Laboratory and special course fees are stated in the descriptions of courses. If the instructor feels it is justified, students may be charged for excessive breakage of equipment.

Students who take the college aptitude test pay a $1.00 fee at the time of examination.

Tuition and laboratory fees may be refunded to students who withdraw from courses, the percentage refunded to be in accordance with the following schedule:

<table>
<thead>
<tr>
<th>Withdrawal during</th>
<th>Percentage Refunded</th>
</tr>
</thead>
<tbody>
<tr>
<td>first two weeks of instruction</td>
<td>100%</td>
</tr>
<tr>
<td>third week of instruction</td>
<td>80%</td>
</tr>
<tr>
<td>fourth week of instruction</td>
<td>60%</td>
</tr>
<tr>
<td>fifth week of instruction</td>
<td>40%</td>
</tr>
<tr>
<td>sixth week of instruction</td>
<td>20%</td>
</tr>
<tr>
<td>remainder of semester</td>
<td>0%</td>
</tr>
</tbody>
</table>

In no case is the registration fee or any part of it refunded.

A fee of $2.00 is charged for each change in registration after the initial registration, unless such changes are due to reasons beyond the control of the student. This fee does not apply to complete withdrawals from the University.

A fee for diploma or certificate must be paid to the Business Office before any such diploma or certificate can be received by a student. For the five-year diploma, the certificate in social work, and the public health nursing certificate the fee is $2.50. For all other degrees and diplomas the fee is $5.00.

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A graduate student receiving an advanced degree must pay, before the degree is awarded, a fee of $4.00 to cover the cost of binding two copies of his thesis.

Caps, gowns, and hoods for use in graduation ceremonies may be rented.

A student who requests the Registrar to send to another institution a record of his work here is not required to pay for the first copy, but he is charged $1.00 for each subsequent copy.

Steel book lockers for student use are situated in Hawaii Hall. The use of a locker for the first and second semesters may be obtained from the Business Office by paying $1.00, of which 50 cents will be refunded provided the key is returned before Commencement Day.

At the request of the Associated Students of the University of Hawaii (A.S.U.H.) and with the consent of the Board of Regents, the University Business Office collects certain student fees at the time tuition and registration fees are collected. These student fees are class dues of $1.00 a year and the A.S.U.H. annual membership fee for undergraduates taking ten or more semester hours. For other students the A.S.U.H. fee is optional. These fees are not collected for the Summer Session. Privileges that these fees purchase are described in the A.S.U.H. Handbook, which is available to all students.

Military Training

Instruction is offered in military science and tactics in accordance with the requirements stipulated by Congress in legislation relating to land-grant colleges. The basic (freshman and sophomore) courses in military science must be taken by every physically fit male student who is an American citizen, who is at least fourteen years of age, whose twenty-seventh birthday has not passed at the time of enrollment in the University, who (1) is (or was at the time of entering the University) a Freshman or a Sophomore, or (2) is an unclassified student carrying more than nine credit hours of work and having fewer than sixty-four college credits. Military training in the junior and senior years is optional for selected students who have completed the basic courses, provided the number of such students does not exceed the quota authorized by the War Department.

Health, Physical Education, and Sports

The University expects every student to safeguard his health and offers certain aids toward that end. Before entering the University, every new student must have a medical and physical examination by a reputable physician. The student makes his own arrangements and pays the physician. The University provides a form for the physician to use in reporting the examination. If subsequent examinations are needed, the University makes them in its infirmary without cost to the student.

At the infirmary a trained nurse is on duty throughout the day and a physician during certain hours. First-aid service is available to students suffering from minor ills and injuries; no charge is made for this service and no responsibility is assumed by the University. Any student who needs medical attention beyond that which the University can reasonably give should make his own arrangements with a physician.

The University also offers instruction in health and conducts a program of recreation and sports designed to promote the health of students. Freshman and sophomore men
and women under twenty-five years of age who are registered for ten or more semester hours of academic work must take at least one credit hour in Health and Physical Education courses each semester (see "Health and Physical Education" under "Courses of Instruction"). All students are required to take Health and Physical Education 103, Personal Hygiene.

A student enrolled in a required course in Health and Physical Education and also participating in a varsity sport may be excused from attendance at the Health and Physical Education class during the season of that sport.

Intramural sports are planned with a view to serving the Health and Physical Education Department and to supplementing the regular courses offered.

Varsity sports are conducted independently of the activities of the Health and Physical Education Department. They are governed by a Board of Athletic Control, acting in cooperation with the University administration and the Faculty. This Board has seven members, three representing the Associated Students of the University of Hawaii, two the Alumni Association, and two the Faculty. The Board forms policies for intercollegiate athletics, drafts budgets, and makes contracts and other arrangements for contests between the University of Hawaii and other colleges and athletic groups.

Although the University takes reasonable precautions, it assumes no responsibility for injuries received in sports or games on the campus.

The University Extension Division

The University Extension Division provides non-credit courses on and off the campus, and credit courses off the campus at times and places convenient for the persons thus served. A program of correspondence courses carrying university credit is made available to those who cannot attend classes.

Visiting lecturers and resident faculty members are scheduled for public appearances on the campus, in Honolulu, and in outlying communities.

Admission to extension courses offering credit is governed by the rules that apply to admission to residence courses. Credits gained in University of Hawaii extension courses may be applied toward the bachelor’s degree, but not more than 25 per cent of the total credits required to be earned in the University for the degree may be extension or correspondence credits; such credits are not counted as fulfilling the residence requirement. Credits earned in extension or correspondence courses will be accepted by mainland universities which accept the credits of member institutions of the National University Extension Association.

Non-credit courses are open to all adults who wish to enroll.

Announcements of extension courses and other forms of service are issued from time to time.

Summer Session

The 1946 Summer Session will be six weeks in length, and many of the courses required in the curriculums of the colleges will be offered. Student programs will be limited to a maximum of six credit hours. Tuition for the Summer Session is $5.00 per credit hour. No registration fee is charged. The Summer Session Announcement may be obtained from the Office of Publications and Publicity.
Student Life

The Associated Students of the University of Hawaii is a self-governing organization whose major objective is to promote and direct undergraduate extracurricular student activities and to cooperate with the University administration in student affairs. Its members include all regular students who pay A.S.U.H. fees. An elected council directs its activities. The A.S.U.H. Handbook describes the organization and functions in detail.

Among the activities in which the A.S.U.H. engages are athletics (football, baseball, track, basketball, swimming, and minor sports), debating, dramatics, a weekly newspaper (Ka Leo o Hawaii), and a yearbook (Ka Palapala).

The University of Hawaii Theater Guild tries to present each year plays which give opportunities for participation and study to the maximum number of interested students of all races.

Student societies include some forty scholastic, honorary, professional, religious, and social organizations.

Student extracurricular life centers in Hemenway Hall. Student mail is distributed in this building.

The staff of the Office of Student Personnel assists students with such personal problems as those of residence, health, part-time employment, scholastic standing, social life, vocational guidance, and finance. In cooperation with the University Treasurer, arrangements are made for loans to students in good standing.

Living Accommodations and Expenses

All possible assistance is given to students in locating suitable living accommodations. Letters of inquiry and requests for rooms in the campus dormitories should be addressed to the Office of Student Personnel.

Men students ordinarily may obtain comfortable lodgings at Atherton House, a dormitory adjoining the campus. Room rates range from $40 to $100 a semester. Further information concerning the accommodations may be obtained at Atherton House, P. O. Box 18, Honolulu 10, Hawaii.

Thirty women students are housed at Hale Laulima, a cooperative women's dormitory. The rent is $31.50 each semester, payable at the time of registration. Rent for a six-week summer session is $11.

Each young woman shares a double room, assists in cooking and housekeeping, and shares living expenses, including the cost of food. Total current living expenses on this plan approximate $22 per person per month.

Most residents of Atherton House take their meals at Hemenway Hall, where food is served cafeteria style at reasonable rates.

Minimum expenses of the average student are estimated at from $500 to $600 a year for board, room, tuition, registration, course fees, class and student body fees, and books. Some students find low-cost living accommodations that enable them to reduce this figure to around $400. These estimates do not cover the cost of clothing, laundry, and other personal necessities.

Many students earn a small part of their expenses. A few very capable students succeed in meeting about 40 per cent of their expenses by doing part-time work.
Loan Funds

Through the generosity of various organizations and individuals, certain funds have been provided from which worthy students may borrow—either in small amounts to meet emergencies or in larger sums in order to defer part of the payment of tuition costs until after graduation. A student wishing to make use of these funds should consult the dean of the college in which he is enrolled or the Dean of Student Personnel with respect to the proper procedure for application and the conditions under which the various loans are granted. Loan funds include the following:

- Alumni Student Aid Fund
- Alumni Fund—Molokai Chapter
- American Bankers Association Loan Fund
- American Legion Fund
- Business and Professional Women’s Club Loan Fund
- Chinese Students’ Alliance Loan Fund
- Commerce Club Loan Fund
- Daughters of the American Revolution Student Fund of Hawaii
- Dr. Ruth Alexander Student Loan Fund
- Emergency Loan Fund
- Future Farmers of America, Uniwi Chapter Loan Fund
- George H. Lamy Loan Fund
- Hawaiian University Association Loan Fund
- Helen Strong Carter Dental Fund
- Honolulu Civic Association Loan Fund
- Inez Wheeler Westgate Fund
- Japanese Students’ Alliance Loan Fund
- Maui Women’s Club Fund
- McKinley Scholarship Fund
- Moir-Ross Health Fund
- N.G.B. Fund
- P.E.O. Sisterhood Loan Fund
- Representatives Club Fund
- Rotary Club Fund
- Senior Class Fund
- Student Fund of Teachers College
- Te Chih Sheh Fund

Scholarships

A number of persons and organizations, and the Territorial Legislature have made donations or grants that enable the University to offer assistance to students in the form of scholarships. Scholarship awards are made by the faculty Scholarship Committee or upon the recommendation of other agencies. In general, scholarships are awarded on the basis of (1) scholastic achievement as demonstrated by previous records, (2) promise of success as judged by recommendations and aptitude test scores, (3) character, and (4) financial need. A scholarship award implies recognition of achievement. Unless otherwise specified all scholarships are awarded annually and may be withdrawn from individuals if a good standard of scholastic work is not maintained.

A person who wishes to receive a University of Hawaii scholarship should apply to the Scholarship Committee, University of Hawaii, Honolulu 10, Territory of Hawaii.

The following list segregates scholarships according to their principal characteristics and the conditions under which they are awarded:

**GENERAL SCHOLARSHIPS.** (1) Open to men and women: (a) Honolulu Civic Association, amount varies from year to year; (b) Mary Dillingham Frear, not exceeding $150, awarded to a meritorious student; (c) The Elks of Honolulu, Lodge No. 616, the Benevolent and Protective Order of Elks, two scholarships of $120 each, one for a man and one for a woman, final selection of recipients is made by a committee of the Elks Lodge; (2) open only to men: (a) Stephen Spaulding, the income of an endow-
SCHOLARSHIPS IN SPECIFIC FIELDS OF STUDY. (1) Open to men and women: (a) Hawaiian Sugar Planters' Association, five scholarships of $150 each; these are held for four years and are open to students majoring in Agriculture; recipients are selected by a committee named by the H.S.P.A.; (b) Edison B. K. Tan Memorial, a scholarship of $50 a semester given by the friends of Edison Tan, '38, to a worthy upperclassman, preferably one majoring in Economics or Business; (c) Hawaii Chapter, American Institute of Architects, one or two scholarships of $100, awarded annually to a student registered in the Prearchitectural curriculum; (d) Elizabeth L. Eaton, six scholarships available, $150 a year, awarded to students registered in Engineering; (2) open only to men: Alonzo Gartley, two scholarships of $150 each, given in memory of Alonzo Gartley, who was for many years a Regent of the University, awarded to men students in sugar production or Agriculture.

SCHOLARSHIPS OPEN ONLY TO GRADUATES OF FARRINGTON HIGH SCHOOL. Open to men and women: Wallace Rider Farrington, established by the Honolulu Star-Bulletin in honor of the late Wallace Rider Farrington, its former editor and publisher; awarded annually to a graduate of Farrington High School, selected by the Wallace Rider Farrington Scholarship Committee; recipients given $150 a year for four years.

SCHOLARSHIPS WHOSE DONORS LIMIT THEM TO PERSONS OF SPECIFIC RACIAL ANCESTRIES. (1) Open to men and women: (a) Chinese Community, a fund of about $3000 given to the University of Hawaii to endow scholarships for Juniors and Seniors of Chinese ancestry; (b) Chinese Students' Alliance, a general scholarship fund maintained by the Chinese Students' Alliance; (c) Filipino Women's Club, International Institute, Y.W.C.A., two scholarships of $25 each given to students of Filipino ancestry and of good scholastic standing, one to an entering Freshman and one to an upperclassman; (d) Korean American Cultural Association, $2500 to be used in maintaining an annual scholarship of $150 for either a Korean or an American of Korean ancestry; the recipient is required to assist the University in collecting and maintaining the Korean collection in the University Library; (e) Korean National Association of Hawaii, a scholarship of $100 awarded annually to one or two students of Korean ancestry above freshman standing; (2) open to women: (a) Chinese University Women, a scholarship of $50 awarded to a deserving and needy woman student of Chinese ancestry above freshman standing; (b) Chinese Women's Club, a scholarship of $50 awarded to a deserving and needy woman of Chinese ancestry above freshman standing.

TERRITORIAL. Open to men and women: six scholarships of $120 each awarded annually to entering Freshmen, one for each representative district in the Territory of Hawaii to a resident of that district, to be held four years if the beneficiaries maintain a satisfactory standard of scholarship and conduct.
Prizes and Awards

DEAN PRIZE FOR UNDERGRADUATE RESEARCH. In 1927 the Faculty of the University, in honor of Dr. Arthur Lyman Dean, resigning President, established a fund to be known as the Dean Prize Fund, the proceeds to be used in stimulating interest in undergraduate research. Any Senior in the University may compete for this prize of not less than $25 nor more than $50 each year by presenting to the Dean Prize Committee a thesis in which he reports fully upon his research in any field of intellectual endeavor. The committee, appointed by the President, selects the thesis which in its judgment is the best example of originality, independence, logic, and form of presentation. The winning paper is placed in the Hawaiian Room of the Library.

BANKS MEMORIAL PRIZE. The Charles Eugene Banks Memorial Prize, the income from a $500 endowment, is awarded each year to the student whose manuscript is judged to be the best received in a creative writing contest.

HAWAIIAN SECTION OF THE AMERICAN CHEMICAL SOCIETY PRIZE. A one-year student membership in the American Chemical Society is awarded each year to the most outstanding Senior majoring in chemistry. The name of the winner is engraved on a bronze plaque in Gartley Hall.

PHI BETA KAPPA RECOGNITION AWARD. This is an award made by the Phi Beta Kappa Association of Hawaii in recognition of high scholastic standing among Seniors.

PHI KAPPA PHI PRIZE. The Hawaii chapter of Phi Kappa Phi honor society awards a $20 cash prize to the Senior who graduates with the highest scholastic record in his class.

BEST SOLDIER AWARDS. Since 1924 the Honolulu Star-Bulletin has sponsored a Best Soldier competition in which gold, silver, and bronze medals are awarded each year to the three most outstanding freshman and sophomore members of the Reserve Officers' Training Corps. Judgment is based on scholastic standing in the study of military science as well as on military performance.

REAL DEANS AWARDS OF HONOR. The Associated Students of the University of Hawaii annually awards medals to students who, in the opinion of fellow students, have given time and effort willingly, untiringly, and without thought of reward to the promotion of A.S.U.H. activities.

BERNDT PRIZES FOR EXTEMPORANEOUS PUBLIC SPEAKING. The Associated Students of the University of Hawaii annually awards medals to the students judged best in an extemporaneous speaking contest.

UNIVERSITY ORATORY PRIZES. The Associated Students of the University of Hawaii annually awards medals to the students judged best in an oratorical competition.

THEATER GUILD DICTION AWARDS. The University of Hawaii Theater Guild annually awards a medal to the student actor in each of its productions whose diction is judged best.

WARRIOR OF THE PACIFIC TROPHY. Since 1928 the United States War Department has supervised an annual rifle marksmanship competition among Reserve Officers' Training Corps infantry units in American universities and colleges for the possession of a bronze statuette of a native Hawaiian soldier. Residents of Hawaii offered the trophy for the competition.
In keeping with the liberal arts tradition, the College of Arts and Sciences aims to give a comprehensive acquaintance with those fields of thought and achievement upon which our present civilization is based, with the objective of developing in its students those ideals, interests, and attitudes characteristic of cultured people, and the ability to think intelligently.

Certain combinations of courses provide preprofessional preparation for such activities as business, dentistry, law, medicine, and social work. The four-year programs lead to the Bachelor of Arts degree.

Because of its geographical position, midway between continental America and the Far East, Hawaii should understand the Orient as well as the Occident. Therefore, more than usual attention is given to the history, languages, literature, and philosophy of the lands bordering upon the Pacific Ocean.

Admission

The requirements for admission are the same as those for admission to the University as a whole.

Each Freshman in the College is admitted to one of the following groups, the selection depending upon his interests: Social Sciences; Languages, Literature, and Art; Biological and Physical Sciences; Economics and Business.

Degree Requirements

To be entitled to the Bachelor of Arts degree from this college a student must:

1. meet certain basic requirements of the first two years;
2. complete a major of 24 semester hours, and a minor of 12 semester hours;
3. have at least 50 semester hours of credit in other than introductory courses;
4. have an aggregate of at least 130 semester hours of credit (beginning with the class entering in September, 1946); and
5. have an aggregate of at least 264 grade points (see "Undergraduate Degree Requirements").

Curriculums

The curriculums of the College of Arts and Sciences center around the major fields of concentration. All students must meet certain basic requirements of the first two years, and complete a major and minor during the last two years. These requirements, plus certain electives, constitute a curriculum in each case. A major comprises twenty-four semester hours in some one field of concentration (see "Majors"); and a minor, twelve semester hours. The minor must be in a field other than that of the major.

The major must be indicated by the beginning of the third year, but since many departments have certain preferences in regard to the program of the second year, it is strongly advised that the major be selected by the beginning of the second year if possible.
PREPROFESSIONAL PREPARATION

BASIC REQUIREMENTS

<table>
<thead>
<tr>
<th>First Year</th>
<th>Second Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 100 or 101</td>
<td>English 150</td>
</tr>
<tr>
<td>Foreign language</td>
<td>Foreign language</td>
</tr>
<tr>
<td>Health and Physical Education 100 or 102</td>
<td>Government 150*</td>
</tr>
<tr>
<td>History 100</td>
<td>History 110</td>
</tr>
<tr>
<td>Military Science</td>
<td>Military Science</td>
</tr>
<tr>
<td>Science</td>
<td></td>
</tr>
</tbody>
</table>

In addition, at least four of the following courses must be completed: Anthropology 150,* Economics 150 or 151, Philosophy 150, Psychology 150, Religion 150, Sociology 151.*

MAJORS

Because of limitations in the number of courses offered, it is not possible to major in all departments. The following list comprises the major subjects at this time:

- Art
- Bacteriology
- Botany
- Business
- Chemistry
- Chinese
- Economics
- French
- German
- Government
- History
- Japanese
- Literature
- Mathematics
- Philosophy
- Physics
- Psychology
- Religion
- Sociology
- Zoology

Students expecting to major in Literature (Department of English) are advised to satisfy the language requirement by French, German, or Spanish.

MINORS

Minors are permissible in any of the major subjects and in Composition, Geology, Hawaiian, Music, Spanish, and Speech.

The chairman of the major department should be consulted before the final choice of a minor is made.

Preprofessional Preparation

The following programs are recommended as offering desirable preprofessional preparation in the various fields. They are suggested rather than required, as variations are often necessary in order to meet the needs of certain students or the requirements of certain professional schools.

PRELEGAL PROGRAM

It is expected that all prelegal students will major in Economics, Government, or History. The basic requirements of the first two years are the same in each case, and student programs will be governed accordingly. Chemistry 103 is recommended for the science requirement of the first year.

The work of the last two years is largely elective, but the following courses are strongly advised: Business 150-151, 250-251, Economics 256, 257, 261, English 130, Government 282, History 211, 252, Psychology 250, 295.

* May be taken in the first year.
### PREMEDICAL PROGRAM

**FIRST YEAR**
- Chemistry 103
- English 100 or 101
- French 100 or German 100
- Health and Physical Education 100 or 102
- Mathematics 149, 150; or 100
- Military Science
- Zoology 100, 151

**SECOND YEAR**
- Chemistry 149
- English 150
- French 101 or German 101 or 102
- Government 150
- Health and Physical Education 105, 135 or 136
- History 110
- Military Science
- Physics 102

This program meets medical school requirements as outlined by the American Medical Association (see p. 17), and also most of the basic requirements of the College of Arts and Sciences. Completion of the further required work of the College entitles the student to the Bachelor of Arts degree. This arrangement of courses is suggestive rather than arbitrary and it may be altered to meet the preparation or needs of the student.

Predental students follow this program with such modifications as are necessary to satisfy dental school requirements.

### PRESOCIAL WORK PROGRAM

Students who plan to enter the School of Social Work (see p. 40) should complete their major and minor requirements in Psychology and Sociology. Whichever is selected as the major, the other should be the minor. In addition, certain undergraduate courses are required and others recommended. Required: Psychology 280, 292, 295, Social Work 200, Sociology 251, 255, 267. Recommended: Economics 281, Government 282, Home Economics 250, 253, Philosophy 200, 201, Religion 250-251.

Intention of preparing for Social Work should be indicated by the beginning of the junior year.

### PUBLIC ADMINISTRATION PROGRAM

Students expecting to enter the field of Public Administration may major in any of the Social Sciences, but it is recommended that they major in Business, Economics, or Government, as these fields are more directly concerned with governmental activities.

In order to insure an adequate background of preparation the following specific courses are required: Business 263, 282, Economics 150-151, 261, Geography 262, Government 150, 254, 270, 284, History 242-245, 252, Philosophy 150, Psychology 150, Sociology 151.
The principal function of the College of Applied Science is to prepare for professions in the fields of agriculture, engineering, home economics, and sugar and pineapple production. In addition, however, it offers preprofessional preparation for architecture, dentistry, medicine, medical technology, and nursing, and a limited program in public health nursing. The four-year programs lead to the Bachelor of Science degree.

Admission

The requirements for admission to this college are, in general, the same as those for admission to the University as a whole, but some of the curriculums require additional preparation. (See p. 11.) Students who are lacking some of this required special preparation are unable to follow the regular programs and usually need more than four years to complete the degree requirements.

Degree Requirements

In order to be eligible for the Bachelor of Science degree from this college a student must—

1. meet certain basic requirements of the first two years;
2. complete the required courses of each curriculum;
3. have at least 50 semester hours of credit in other than introductory courses;
4. have an aggregate of at least 130 semester hours of credit; and
5. have an aggregate of at least 264 grade points (see “Undergraduate Degree Requirements”).

Curriculums

Certain basic requirements of the first two years are common to all curriculums. They are as follows:

**First Year**
- Chemistry 103
- English 100 or 101
- Health and Physical Education 100 or 102
- Military Science

**Second Year**
- English 150
- Health and Physical Education 105, 135 or 136
- History 110
- Military Science

Additional requirements are stated for each curriculum.

**Agricultural Curriculum**

The program in Agriculture is designed to give the student a knowledge of the fundamental principles underlying agriculture as a science, and to prepare him for effective service in practical farming, teaching of agriculture, or research. The program is broadly conceived to give a background not only in the biological and physical sciences, but in the social sciences as well. Provision is made for a wide choice of electives, but at least eighteen credits should be in agricultural subjects.
The major objective is to teach the general laws governing the relationship of growing crops and living animals to soil, climate, and environment.

**ADDITIONAL REQUIRED COURSES**

**FIRST YEAR**
- Agriculture 100, 151, 152
- Botany 100, Zoology 100
- Mathematics 149, 150; or 150, 151

**SECOND YEAR**
- Agriculture 162 or 164
- Bacteriology 151
- Botany 173
- Physics 102
- Zoology 170, 273

**THIRD YEAR**
- Agriculture 162 or 164, 250, 254, 256

**FOURTH YEAR**
- Agriculture 295

Curriculums in tropical crop production are being developed and will be offered in 1946-47. The production course of study will prepare students to carry on intensive and scientific production of the economic crops of the tropics such as sugar cane and pineapples and other tropical fruits.

**ENGINEERING CURRICULUM**

The program in Engineering is designed to give training in the fundamental principles upon which professional engineering practice is based.

During the first two years the general plan provides a broad foundation in English, mathematics, chemistry, physics, and drawing.

The work of the last two years is more technical and professional, and is so arranged that a student may elect work that later leads to specialization in either chemical or civil engineering. The electives depend upon the interest of the student and must be so chosen that they make up a well-coordinated program.

**ADDITIONAL REQUIRED COURSES**

**FIRST YEAR**
- Civil Engineering 101
- Mathematics 151, 152, 153, 156
- Mechanical Drawing 101

**SECOND YEAR**
- Civil Engineering 151, 153
- Economics 150-151
- Mathematics 154, 155
- Mechanical Drawing 152
- Physics 104

**THIRD YEAR**
- Civil Engineering 227, 252, 253, 255
- Mechanical Engineering 202, 203
- Physics 275

**FOURTH YEAR**
- Business 160-161
- Civil Engineering 276, 277, 279
- Mechanical Engineering 282
- Physics 202

**SUGGESTED ELECTIVES**

**THIRD YEAR**
- Chemistry 149, 150
- Geology 150, 151
- Government or History
- Mathematics 252-253 or 254-255

**FOURTH YEAR**
- Business 263
- Chemistry 230
- Civil Engineering 229, 231
- Mathematics 252-253 or 254-255
PREARCHITECTURAL CURRICULUM

Beginning in September, 1946, the first year's work in a two-year prearchitectural curriculum will be offered; in 1947-48 the full two-year program will be available.

ADDITIONAL REQUIRED COURSES

**FIRST YEAR**

- Architectural Engineering 101, 105
- Art 154-155
- Mathematics 151, 152
- Mechanical Drawing 103
- Physics 102*

**SECOND YEAR**

- Architectural Engineering 102
- Art 150-151
- Civil Engineering 151
- Economics 150-151
- Mathematics 153, 154
- Mechanical Drawing 152, 153

GENERAL CURRICULUM

The general curriculum provides preprofessional preparation for dentistry, medicine, medical technology, and nursing, or a general preparation in science for those who have not yet decided upon a profession or who lack certain basic requirements for the professional curriculums.

ADDITIONAL (DEGREE) REQUIREMENTS

(1) Six or more semester hours in any four of the following groups:

- Botany 100, Zoology 100
- Economics 150-151 or Anthropology 150, Sociology 151
- Geology 150, 151
- Mathematics (a) 149, 150; (b) 150, 151; (c) 152, 153
- Physics 102
- Zoology 100, 151

(2) Thirty semester hours in a specific field, and not less than twelve semester hours in closely allied fields.

SUGGESTED PREMEDICAL PROGRAM

**FIRST YEAR**

- Chemistry 103
- English 100 or 101
- French 100 or German 100
- Health and Physical Education 100 or 102
- Mathematics 149, 150; or 150, 151
- Zoology 100, 151

**SECOND YEAR**

- Chemistry 149
- English 150
- French 101 or German 101 or 102
- Health and Physical Education 105, 135 or 136
- Mathematics 102
- Zoology 191, 261

This program meets medical school requirements as outlined by the American Medical Association (see p. 17), as well as the basic requirements of the College of Applied Science. Completion of the further required work of the College entitles the student to the Bachelor of Science degree. Necessary alterations of this program may be made to suit the preparation or needs of the student.

Predental students follow this program with such modifications as are necessary to satisfy dental school requirements.

* Replaces Chemistry 103.
### Suggested Medical Technology Program

#### First Year
- Chemistry 103
- English 100 or 101
- Health and Physical Education 100 or 102
- Zoology 100, 151

#### Suggested Electives
- Bacteriology 156
- Foreign language
- History 100
- Mathematics 149, 150; or 150, 151

#### Second Year
- Bacteriology 151
- Chemistry 149, 150
- English 150
- Health and Physical Education 105, 135 or 136
- History 110

#### Suggested Electives
- Anthropology 150
- Foreign language
- Psychology 150
- Government 150
- Sociology 151

#### Third Year
- Bacteriology 260, 262, 264
- Chemistry 230, 266
- Zoology 191, 260, 262, 266

#### Suggested Electives
- Anthropology 150
- Economics 150-151
- Physics 102
- Sociology 151
- Zoology 253, 261, 265, 285

#### Fourth Year
- During the fourth year, or the summer session preceding the fourth year, the student attends certain special classes at the University (Medical Technology 266). In order to meet the requirement for certification as a medical technologist, at least twelve months must be spent as a student technician in training, working in one of the cooperating laboratories in the city.

### Home Economics Curriculum

A general basic curriculum in Home Economics is offered. In addition, certain special courses are given as preparation for institutional management, hospital dietetics, and vocational home economics teaching.

Students who expect to teach must complete the four-year program in Vocational Home Economics and the fifth-year work of Teachers College. Art 171, Education 235, 250-251, 253, 255, English 126, 127, 227, 240, Home Economics 251, Household Art 114, and Psychology 150 should be included in the undergraduate program, and Art 172 and 175 and English 130 are suggested as electives.

Those who plan to enter the fields of institutional management or hospital dietetics should include Art 172 and Household Science 260, 261, 263, 264, 265, 266 in their programs. In order to satisfy the requirements of the American Dietetics Association for hospital dietitians, Chemistry 149 and 220, Home Economics 251, and Household Science 200 and 250 should be elected.

See page 27 for basic requirements in Home Economics.

#### ADDITIONAL REQUIRED COURSES

<table>
<thead>
<tr>
<th>First Year</th>
<th>Second Year</th>
<th>Suggested Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthropology 150*</td>
<td>Economics 150-151</td>
<td>Art 154-155, 171, 172</td>
</tr>
<tr>
<td>Art 150-151</td>
<td>History 110</td>
<td>Chemistry 150, 159</td>
</tr>
<tr>
<td>Bacteriology 156</td>
<td>Home Economics 101</td>
<td>Philosophy 150</td>
</tr>
<tr>
<td>Home Economics 100</td>
<td>Household Art 114†</td>
<td>Psychology 150</td>
</tr>
<tr>
<td>Household Art 110, 111, 150</td>
<td>Household Science 102</td>
<td></td>
</tr>
<tr>
<td>Household Science 150</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sociology 151*</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* May be elected later in course.
† Not required for Institutional Management or Household Dietetics.
THIRD YEAR
History 110
Home Economics 201, 250, 252, 253
Household Science 200 or 272, 273
Zoology 191

FOURTH YEAR
Home Economics 262, 291

SUGGESTED ELECTIVES
Art 171, 172, 175
Chemistry 220, 230
Education 235, 250-251, 253, 255
English 130, 227, 240
Government 150
Home Economics 251
Household Science 250, 260, 261, 263, 265

NURSING CURRICULUM

The Nursing program leads to the Bachelor of Science degree in Nursing, with a major either in Nursing Administration and Education or Public Health Nursing, and requires three years of university work in addition to graduation from a nursing school. Ordinarily a student should take the first two years' work at the University, then complete the work of a hospital nursing school, and return to the University for the fourth year. Thirty credits, or the equivalent of the third year, are allowed for the hospital school training.

This arrangement does not affect the Prenursing program whereby prospective applicants for the Queen's Hospital School for Nurses may qualify by successfully completing certain prescribed courses at the University. These courses are starred in the outlined curriculum below. The one-year program in Public Health Nursing for registered nurses is continued. The first semester is spent at the University in course work, and the second semester in field work under a cooperative arrangement with the Territorial Board of Health. Successful completion of this program entitles the student to a Certificate in Public Health Nursing.

FIRST YEAR
Bacteriology 151,* 156*
Chemistry 103*
English 100* or 101*
Health and Physical Education 102*
Household Science 150,* 155*

SUMMER SESSION OR
SECOND YEAR
Psychology 150*
Sociology 151*

SECOND YEAR
Economics 150-151
English 130
Health and Physical Education 105, 136
History 110
Philosophy 150

FOURTH YEAR
ADMINISTRATION AND EDUCATION
Nursing 250, 251, 252, 253, 255,
256, 260, 261, 262, 265, 282
Psychology 295

PUBLIC HEALTH NURSING
Nursing 270, 271, 272, 280, 281, 282,
283, 290, 291
Education 340

* Prescribed course in Prenursing program for applicants to the Queen's Hospital School of Nursing.
The function of Teachers College is to prepare teachers for the public schools of Hawaii and to afford those already in service an opportunity to improve themselves professionally. Standard preparation for teaching positions in the public schools of the Territory requires four years of undergraduate work and a graduate year. The four-year program leads to the Bachelor of Education degree, and the year of graduate work to the five-year diploma. Admission to the fifth year requires professional preparation equivalent to that represented by the Bachelor of Education degree, or the Bachelor of Science degree in Vocational Education. (See "Vocational Education.")

Admission

In addition to the general University admission requirements, students admitted to Teachers College must meet certain standards of health, personality, and oral English.

Degree Requirements

To be eligible for the Bachelor of Education degree from this College, a student must—

(1) have an aggregate of at least 130 semester hours of credit;
(2) have an aggregate of at least 264 grade points (see "Undergraduate Degree Requirements");
(3) complete one of the five curriculums; and
(4) meet the following specific requirements (except in the Dental Hygiene and Recreation and Physical Education curriculums. See pp. 35 and 36.):

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>Participation and Practice Teaching</td>
<td>12</td>
</tr>
<tr>
<td>Other Education courses</td>
<td>14</td>
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<tr>
<td>Psychology</td>
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<tr>
<td>Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>English</td>
<td>23</td>
</tr>
<tr>
<td>Social Science</td>
<td>22</td>
</tr>
<tr>
<td>Natural Science</td>
<td>11</td>
</tr>
<tr>
<td>Health and Physical Education</td>
<td>8</td>
</tr>
<tr>
<td>Military Science (men)</td>
<td>4</td>
</tr>
<tr>
<td>Art and Music (except in Dental Hygiene, Secondary, and Recreation and Physical Education curriculums)</td>
<td>6</td>
</tr>
<tr>
<td>Agriculture (except in Dental Hygiene, Secondary, and Recreation and Physical Education curriculums)</td>
<td>2</td>
</tr>
</tbody>
</table>

Curriculums

The curriculums are virtually identical for the first two years, but some variation is allowed in electives.

During the third year students are introduced to the professional information and background necessary for public school service.
The fourth-year program consists largely of professional education. One semester is devoted to practice teaching and allied educational courses; the offsetting semester provides opportunity for other needed professional course experiences. While one group of students carries the practice-teaching work, the other carries the courses of the offsetting semester. A modification in this procedure is made for students specializing in Dental Hygiene and in Recreation and Physical Education. In the Dental Hygiene curriculum the clinical practice, corresponding to practice teaching and representing about one-third of the senior load, is spread over the full year.

### BASIC REQUIREMENTS FOR ALL STUDENTS*

#### FIRST SEMESTER

**FIRST YEAR**

<table>
<thead>
<tr>
<th></th>
<th>SEMESTER HOURS</th>
<th></th>
<th>SEMESTER HOURS</th>
</tr>
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<tbody>
<tr>
<td>Anthropology 150†</td>
<td>3</td>
<td>English 100 or 101</td>
<td>3</td>
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<tr>
<td>Botany 100</td>
<td>4</td>
<td>English 126</td>
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<tr>
<td>English 100 or 101</td>
<td>3</td>
<td>Health and Physical Education</td>
<td></td>
</tr>
<tr>
<td>English 126</td>
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<td>100 or 102</td>
<td>1</td>
</tr>
<tr>
<td>Health and Physical Education 105</td>
<td>1</td>
<td>History 100</td>
<td>3</td>
</tr>
<tr>
<td>History 100</td>
<td>3</td>
<td>Military Science (men)</td>
<td>1</td>
</tr>
<tr>
<td>Military Science (men)</td>
<td>1</td>
<td>Sociology 151†</td>
<td>3</td>
</tr>
<tr>
<td>Electives‡</td>
<td>2</td>
<td>Zoology 100</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Electives‡</td>
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<td><strong>Total</strong></td>
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#### SECOND SEMESTER

**SECOND YEAR**

<table>
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<tr>
<th></th>
<th>SEMESTER HOURS</th>
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<td>English 127</td>
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<td>English 127</td>
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<tr>
<td>English 152</td>
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<td>English 152</td>
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</tr>
<tr>
<td>Health and Physical Education</td>
<td></td>
<td>Government 150</td>
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<tr>
<td>105, 135 or 136</td>
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<tr>
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<td>3</td>
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<td>Survey 100§</td>
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<td>Psychology 185</td>
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</tr>
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<td>Electives</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>17 or 19</strong></td>
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</tbody>
</table>

* Except those enrolled in the Dental Hygiene and the Recreation and Physical Education curriculums. See pp. 35 and 36.
† Students expecting to prepare to teach Mathematics may postpone this course.
‡ Students expecting to prepare to teach on the elementary level will take Art 150-151.
§ Students in the Secondary curriculum may be advised to substitute other courses.
# Teachers College

## Preschool-Primary Curriculum

### First Semester

#### Third Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
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<td>Education 236</td>
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<tr>
<td>Education 237</td>
<td>2</td>
</tr>
<tr>
<td>Education 283</td>
<td>3</td>
</tr>
<tr>
<td>English 227</td>
<td>1</td>
</tr>
<tr>
<td>English 253</td>
<td>2</td>
</tr>
<tr>
<td>Household Science 272</td>
<td>3</td>
</tr>
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#### Second Semester

<table>
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<td>Education 238</td>
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<tr>
<td>Education 284</td>
<td>3</td>
</tr>
<tr>
<td>English 227</td>
<td>1</td>
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<td>English 253</td>
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<tr>
<td>Household Science 275</td>
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<td>Social Work 200</td>
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### Fourth Year

<table>
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<td>Education 239</td>
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<td>Education 261</td>
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<tr>
<td>Education 298</td>
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</tr>
<tr>
<td>English 240</td>
<td>1</td>
</tr>
<tr>
<td>Health and Physical Education 223</td>
<td>2</td>
</tr>
<tr>
<td>Psychology 292</td>
<td>3</td>
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<tr>
<td>Electives</td>
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## Elementary Curriculum

### Third Year

<table>
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<tbody>
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<td>Education 240</td>
<td>2</td>
</tr>
<tr>
<td>Education 285</td>
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<td>English 227</td>
<td>1</td>
</tr>
<tr>
<td>English 253</td>
<td>2</td>
</tr>
<tr>
<td>English 255</td>
<td>2</td>
</tr>
<tr>
<td>Health and Physical Education 223</td>
<td>2</td>
</tr>
<tr>
<td>Music 251</td>
<td>2</td>
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<tr>
<td>Sociology 250</td>
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<tr>
<td>Electives</td>
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<td><strong>Total</strong></td>
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### Fourth Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Agriculture 271</td>
<td>2</td>
</tr>
<tr>
<td>Education 248</td>
<td>2</td>
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<td>Education 261</td>
<td>3</td>
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<td>English 240</td>
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<td>Geography 261</td>
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<td>Psychology 292</td>
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**Total 17**

**Total 16**

34
### SECONDARY CURRICULUM

#### FIRST SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Course</th>
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<tbody>
<tr>
<td>Education 235</td>
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<td>Education 235</td>
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</tr>
<tr>
<td>Education 250</td>
<td>3</td>
<td>Education 245</td>
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<tr>
<td>English 227</td>
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<td>Education 246</td>
<td>2</td>
</tr>
<tr>
<td>English 254</td>
<td>2</td>
<td>Education 247</td>
<td>2</td>
</tr>
<tr>
<td>Health and Physical Education 223</td>
<td>2</td>
<td>Education 251</td>
<td>3</td>
</tr>
<tr>
<td>Sociology 250</td>
<td>3</td>
<td>English 227</td>
<td>1</td>
</tr>
<tr>
<td>Electives*</td>
<td>6</td>
<td>English 254</td>
<td>2</td>
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<td></td>
<td></td>
<td>Electives*</td>
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#### SECOND SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Course</th>
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<td>Education 261</td>
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<td>Education 255</td>
<td>3</td>
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<td>Education 258</td>
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#### THIRD YEAR

<table>
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<th>Hours</th>
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<tbody>
<tr>
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<td>Education 245</td>
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</tr>
<tr>
<td>English 227</td>
<td>1</td>
<td>Education 246</td>
<td>2</td>
</tr>
<tr>
<td>English 254</td>
<td>2</td>
<td>Education 247</td>
<td>2</td>
</tr>
<tr>
<td>Health and Physical Education 223</td>
<td>2</td>
<td>Education 251</td>
<td>3</td>
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<tr>
<td>Sociology 250</td>
<td>3</td>
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### DENTAL HYGIENE CURRICULUM

#### FIRST YEAR

<table>
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<tr>
<th>Course</th>
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<th>Hours</th>
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<td>Chemistry 103</td>
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<tr>
<td>English 100 or 101</td>
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<td>English 100 or 101</td>
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</tr>
<tr>
<td>English 126</td>
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<tr>
<td>Health and Physical Education 102</td>
<td>1</td>
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</tr>
<tr>
<td>History 100</td>
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<td>3</td>
<td>Household Science 150</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
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<td>Electives</td>
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<td><strong>17</strong></td>
<td><strong>Total</strong></td>
<td><strong>17</strong></td>
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</tbody>
</table>

*As advised to meet teaching-field requirements. Two teaching fields are required. Except in unusual circumstances the teaching-field combinations are English and Social Studies, and Mathematics and Science. In a few cases arrangements can be made to meet teaching-field requirements in special subject areas.

The English-Social Studies concentration requires that the student take all courses in these fields generally required of other students, plus an additional twelve credits in English and twelve credits in the social sciences. Certain specific courses must be included in addition to the courses generally required of all students. Each student arranges for these with his adviser.

In the Mathematics and Science combination the student is required to take Mathematics through College Algebra (Plane Analytical Geometry is recommended but not required). The minimum science requirement is a year of Chemistry and a year of Physics, in addition to the year of biological sciences required of all students.

Teaching-field requirements in other fields should be arranged for with the adviser prior to the beginning of the sophomore year.
<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>SECOND YEAR</th>
<th>SECOND SEMESTER</th>
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<tbody>
<tr>
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<td><strong>SEMESTER HOURS</strong></td>
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<td>English 127</td>
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<td>Botany 100 or Zoology 100</td>
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<tr>
<td>English 150 or 152</td>
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<td>English 127</td>
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<tr>
<td>Health and Physical</td>
<td>Education 136</td>
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<tr>
<td>History 110</td>
<td>3</td>
<td>Government 150</td>
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<tr>
<td>Psychology 150</td>
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<tr>
<td>Electives</td>
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<td>Education 103</td>
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<td>Electives</td>
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<td>Electives</td>
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<td><strong>Total</strong></td>
<td><strong>Total</strong></td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>17</td>
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<tr>
<td><strong>THIRD YEAR</strong></td>
<td><strong>FOURTH YEAR</strong></td>
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<tr>
<td>Dental Hygiene 200</td>
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<td>Dental Hygiene 235</td>
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<td>English 227</td>
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<td>Zoology 265</td>
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<td>Health and Physical Education 223</td>
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<td>18</td>
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<tr>
<td><strong>RECREATION AND PHYSICAL EDUCATION CURRICULUM</strong></td>
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<tr>
<td><strong>FIRST YEAR</strong></td>
<td><strong>SECOND YEAR</strong></td>
<td></td>
</tr>
<tr>
<td>Anthropology 150</td>
<td>3</td>
<td>English 100 or 101</td>
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<tr>
<td>Botany 100</td>
<td>4</td>
<td>English 126</td>
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<tr>
<td>English 100 or 101</td>
<td>3</td>
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<td>History 100</td>
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<td>History 100</td>
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<td>Sociology 151</td>
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<td><strong>Total</strong></td>
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<td>17 or 18</td>
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</table>
### Requirements for the Five-Year Diploma

The fifth-year work consists of two parts: (1) one semester of interne teaching under supervision in a public school, and (2) one semester of required and elective course work. The class is divided into two groups, one of which carries the academic program while the other does the interne teaching.

#### Courses and Credits Required of Fifth-Year Students

<table>
<thead>
<tr>
<th>Semester</th>
<th>Hours</th>
<th>Semester</th>
<th>Hours</th>
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<td>3</td>
<td>Education 395</td>
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</tr>
<tr>
<td>Education 390</td>
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<td></td>
</tr>
<tr>
<td>Psychology 351</td>
<td>2</td>
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</tr>
<tr>
<td>Electives*</td>
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<td></td>
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</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>16</strong></td>
<td><strong>Total</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Semester</th>
<th>Hours</th>
<th>Semester</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education 340</td>
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<td>Education 350</td>
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<tr>
<td>Psychology 351</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Electives*</td>
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<td></td>
<td></td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>16</strong></td>
<td><strong>Total</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Semester</th>
<th>Hours</th>
<th>Semester</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education 340</td>
<td>3</td>
<td>Education 354†</td>
<td>14</td>
</tr>
<tr>
<td>Education 350</td>
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<td>Education 395</td>
<td>2</td>
</tr>
<tr>
<td>Education 390</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology 351</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electives*</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>16</strong></td>
<td><strong>Total</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>
Laboratory Schools

Practical experience in teaching is given in Teachers College laboratory schools. These schools also serve as experimental laboratories. In order to insure a rich experience for the children enrolled and to set a high standard of achievement for the student teachers, conditions are made as nearly ideal as possible, with small classes, selected children, excellent quarters and equipment, and a strong supervising staff assisted by specialists in art, health, library science, physical education, music, and gardening. Clinical facilities are provided on the campus for practical experience in dental prophylaxis.

Observation-participation experience in the third year and probationary or interne teaching in the fifth year are provided in selected public schools under the joint supervision of Teachers College and the Department of Public Instruction, and in the Preschool-Primary unit.

Vocational Education

Prospective Vocational Agriculture and Home Economics teachers obtain their undergraduate preparation in the College of Applied Science (see “College of Applied Science”). Basic professional education courses and practice teaching are required. Selective standards, including those in English, used in Teachers College apply to prospective vocational teachers. Students in these divisions will register in Teachers College for the fifth (graduate) year. For the work of this year see “Requirements for the Five-Year Diploma.”

* Dental hygienists take Bacteriology 260, and students in Recreation and Physical Education take additional courses in Health and Physical Education.

† Dental hygienists take Dental Hygiene 354 instead of Education 354.
GRADUATE DIVISION

Graduate study in the University is under the supervision of a Committee on Graduate Study, which serves to coordinate advanced work in the various colleges. The chairman of this Committee should be consulted concerning programs of study. This regulation applies to all students with bachelor degrees from accredited institutions of higher learning, including candidates for advanced degrees, candidates for advanced teaching certificates, candidates for a certificate in social work, and graduate students taking work to be applied toward advanced degrees at other institutions.

The Master's Degree

The University awards three master's degrees: Master of Arts, Master of Science, and Master of Education.

Requirements. The minimum period of residence is one academic year or four six-week summer sessions.

Thirty semester hours of graduate study are required for the master's degree. All work connected with the thesis must be registered for as thesis research (course number 400 in each major field). For thesis research the usual credit allowance is six hours, but a greater number may be allowed in the natural and physical sciences. At least eight credits toward the master's degree must be earned in courses primarily for graduate students (300-399). The remaining credits may be earned in courses numbered 200-299, but additional work must be done in such courses and a grade of A or B must be earned. All of the courses taken by the candidate should be in his major field of interest or in one or two closely allied fields. Candidates for the Master of Education degree are restricted to one minor of six to ten credits. A reading knowledge of a foreign language is required in certain fields and, at the discretion of the qualifying committee, may be required of a candidate in any field.

Graduate work completed at other institutions may be accepted as fulfilling part of the requirements for the master's degree. The maximum amount ordinarily accepted is eight semester hours.

No credits earned in extension courses may be counted toward an advanced degree.

No credit is granted in thesis research courses (number 400 in each field) until the thesis has been accepted. Failure to make satisfactory progress on a thesis is not a basis for valid claim to a refund of tuition fees.

Admission to Candidacy. Admission to candidacy for the master's degree is granted only after a committee representing the special field in which a candidate proposes to work for an advanced degree is satisfied as to the adequacy of his preparation and his probable ability to pursue graduate work successfully.

The Thesis. A thesis is required of all candidates for the master's degree. The thesis topic should be within the field of the major. It must be written in acceptable English and show evidence of ability to conduct research intelligently and to arrive at logical conclusions. The topic must be approved by the committee which admits the
student to candidacy and by the Committee on Graduate Study. Only after this approval has been granted and the candidate has registered for the thesis research course is a committee appointed to supervise the preparation of the thesis. A candidate expecting to receive a master’s degree in June must notify the chairman of the Committee on Graduate Study not later than February 20 and must submit copies of the completed thesis to the members of his committee for final checking by May 15.

**The Final Examination.** Arrangements for the final examination should be made at least six weeks prior to the end of the semester or summer session in which the candidate expects to receive the degree. The examination is conducted by the members of the candidate’s advisory committee and any other persons especially designated. It is open to all faculty members. The examination is on the thesis, but may cover any fundamental knowledge required for the research work or necessary to the conclusions reached. If the results of the examination are satisfactory, a typewritten and a carbon copy of the thesis, both signed by the members of the examining committee, must be deposited in the Library to become the permanent property of the University. A fee for the binding of both copies must be paid to the University Business Office.

**The Teacher’s Professional Certificate**

The Department of Public Instruction of the Territory of Hawaii grants the Professional Certificate to teachers in the employ of the Department who complete the following work: a total of thirty semester hours of graduate work, ten of which must be earned in courses primarily for graduates (300 to 399), including Philosophy of Education, History of Education, Advanced Educational Psychology, and Educational Administration.

**The School of Social Work**

**ADMISSION.** Admission to the one-year program of Social Work is limited to graduate students selected by a committee of the faculty and representatives of cooperating social agencies. Students are expected to have completed a minimum of thirty semester hours of Social Science, including at least five semester hours in each of the following fields: Economics, Government, Psychology, and Sociology; and twelve semester hours in some one of these fields; or equivalents approved by the Director of the program. Upon completion of the program of work, students are awarded a Certificate in Social Work. The University offers Juniors and Seniors an orientation course in Social Work, and it is expected that students entering the School of Social Work from this University will have taken this course. Those who have not had such course, or its equivalent, must audit it concurrently.

Applicants for admission to the program must submit an application, an autobiographical sketch, and a transcript of any academic work taken at institutions other than the University of Hawaii. If an applicant is not known to the members of the qualifying committee, the Director will designate a person or persons residing in the applicant’s community to interview him. The number of field work assignments available limits the number of students who can be accepted. Late applicants may be rejected because of the difficulty of arranging such assignments. Application forms may be obtained from the Director of the School of Social Work.
Eligibility for admission is determined by (1) personal qualifications that promise future success in social work, (2) scholarship, (3) physical and mental health, and (4) preprofessional training or experience. Notice of acceptance will be sent to successful applicants, and written corroboration of intention to register for the full year's program is requested.

Instructors may admit to individual courses a few qualified persons who have had experience in social work but do not intend to take the full program.

FIELD WORK. Two semesters of field work are required of regularly enrolled students, and it is expected that they will take Social Work 360-361 concurrently with Social Work 300 and 340. Field work consists of 225 clock hours a semester of supervised case work in an approved social agency.
By an Act of Congress in 1928, the University of Hawaii was empowered to set up a department to be designated as the Hawaii Agricultural Experiment Station and was entitled to receive the federal grants for agricultural research appropriated by Congress for such experiment stations in each of the states. By provisions made at the same time, the federal experiment station, established in 1901 and known as the Pensacola Street Station, was to be gradually absorbed into the new station as the federal grant funds increased from year to year. This transition was completed in 1938. The history of the federal station is an inseparable part of the history of the Hawaii Agricultural Experiment Station, and the latter may also be said to share in the history and accomplishments of all the state land-grant colleges and experiment stations.

As in most mainland universities, where the agricultural experiment stations are closely associated with their universities or agricultural colleges, the facilities of the Hawaii station, including the research staff, the field laboratory, and the flocks and herds, are available in part for undergraduate and graduate instruction. Thus students have unusual opportunities to come into close contact with the newer advances in agricultural research and to see and study their application. The close collaboration maintained with the experiment stations of the Hawaiian Sugar Planters' Association and the Pineapple Research Institute of Hawaii is of value in the agricultural research of all parties and in University instruction, for in Hawaii diversified agricultural interests must in most instances be integrated with those of the dominant crops.

The function of the Experiment Station is "to promote scientific investigation and experiments respecting the principles and applications of agricultural science" (Hatch Act of 1887). Facilities for carrying on this work are provided by the headquarters offices and laboratories located on the University campus, a branch station on Pensacola Street, Honolulu, and a farm at Poamoho, Oahu; a branch station at Makawao, Maui; and a branch station at Keauhou, Hawaii. Because the two major agricultural industries of the Territory of Hawaii—sugar and pineapple—support their own experiment stations, little attention is given to these crops. Emphasis is placed upon animal husbandry, poultry production, agronomy, and horticulture—fields which are considered extremely important in themselves. Investigations cover the physiology of plants and animals; diseases, insects, and parasites; soils and soil chemistry; human and animal nutrition; breeding and genetics; as well as other research in culture or production. Scientific facts discovered have broad application since both individual farmers and the large plantations may receive benefit. Many plantations operate ranches, dairies, orchards, and gardens which contribute to the subsistence of the plantation families and add to the total plantation income. These diversified agricultural undertakings, as well as those of independent ranchers and farmers, constitute the wider background of the activities of the Experiment Station.

The Experiment Station contributed much to the war effort. The research of the Station has formed the basis for a rapid expansion of production of all food and feed crops, particularly through development and introduction of improved and adapted
varieties of tomato, sweet corn, papaya, and other crops. Animal feeding trials with
dairy cattle, poultry, and hogs have shown how local feeds can be used profitably in
lieu of imported feeds if necessary. Investigations with yeast, molasses, ensilage, and
urea indicate how imported feeds may be replaced by or supplemented with local
products—and this with profit to the producer. Information concerning culture, control
of disease and insects, and especially the use of mechanical equipment in planting,
cultivation, irrigation, and harvesting of the major food crops, is proving of great value
in the production of such crops on a scale never before attempted in the Territory.
The Cooperative Extension Service in Agriculture and Home Economics, conducted jointly by the University and the United States Department of Agriculture, is devoted to the advancement of agriculture in Hawaii and to the improvement of rural home life. Funds for the maintenance of the Agricultural Extension Service are derived jointly from federal and territorial legislative appropriations.

The Agricultural Extension Service maintains personal contacts with the rural population through its headquarters staff of specialists as well as its field staff of county farm agents, home demonstration agents, and their assistants. This staff, sixty-six in number, operates out of ten offices located as follows:

On Kauai—Lihue
On Maui—Kahului, Lahaina
On Oahu—Honolulu, Kaneohe, Wahiawa
On Molokai—Kaunakakai
On Hawaii—Hilo, Kealakekua, Kohala

Improved farm and home practices are taught by means of practical demonstrations before University Extension clubs of men and women and 4-H clubs of boys and girls. This group instruction is supplemented by farm visits and personal conferences on farm and home problems.

An important phase of Extension work is to demonstrate in a practical manner the results of scientific experiments conducted by the University of Hawaii Agricultural Experiment Station and by state experiment stations.

Bulletins and circulars containing varied, timely information pertaining to farming and rural home life are issued from time to time by the subject-matter specialists at the headquarters on the University campus, which also directs the activities of the agents in the field.

The Agricultural Extension Service in Hawaii is part of a nationwide program established in 1914 and operating throughout the United States. Since its local inception in 1928, the efforts of the staff members have been largely directed toward developing a greater degree of self-sufficiency in the food economy of the Territory. To this end the home demonstration agents give particular attention to teaching the uses and nutritive values of Island-produced foods.

The Extension Service has for many years collected and published crop estimates and market statistics of value to commercial farmers. Assistance in keeping proper records for tax accounting has come to be a much-appreciated phase of this project. Emphasis is placed on grading and marketing of farm products.

Other important projects include demonstration, teaching of soil conservation, vegetable production, fruit growing, swine raising, dairying, pasture improvement, and poultry production.

Special emphasis is placed on assisting the families of plantation workers, where both men and women agents devote their entire time to home gardens, nutritious meals, home improvement, and related subjects.

With the assistance of 856 voluntary leaders, much of the work is carried on through 248 boys' and girls' 4-H clubs with 3,760 members, and 217 groups of older men and women organized into University Extension clubs with approximately 4,465 members.
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Until the spring of 1946 the date on the University of Hawaii seal was 1920. Then on March 29 the Board of Regents changed the date from 1920 to 1907.

The Regents were not motivated by a sudden and capricious desire to increase the age of the University by thirteen years. The change reconciled a long-standing difference between the recognized founding date and the date on the seal.

In 1907 the Territorial Legislature chartered the College of Agriculture and Mechanic Arts, which in 1911 became the College of Hawaii, and in 1920 the University of Hawaii. When the official seal was designed in 1921, the date 1920 was used in recognition of the institution's elevation to the status of a university.

Nevertheless, 1907 is the acknowledged date of the University's founding. In 1937 the University celebrated its thirtieth anniversary. And, as the University now prepares to celebrate its fortieth anniversary in 1947, the discrepancy in dates has been resolved.

Huc-M. Luquiens, professor of art, who designed the seal in 1921, has done the pen work that recognizes the University's infant and adolescent years.