



# *Ohio University*

**BULLETIN**

**SUMMER SEMESTER**

**1944**

# OHIO UNIVERSITY BULLETIN

## THE 1944 SUMMER SEMESTER

### CALENDAR

#### FIRST EIGHT-WEEK TERM

June	5	M	Advising and registration
June	6	T	Classes begin
June	17	S	Last day for filing application for graduation in July
July	4	T	July Fourth, a holiday
July	24	M	Masters' theses due in the library
July	28	F	First eight-week term closes; commencement

#### SECOND EIGHT-WEEK TERM

July	31	M	Advising and registration
Aug.	1	T	Classes begin
Aug.	12	S	Last day for filing application for graduation in September
Sept.	4	M	Labor Day, a holiday
Sept.	18	M	Masters' theses due in the library
Sept.	22	F	Second eight-week term closes

#### THREE-WEEK SESSION

July	31	M	Advising and registration
Aug.	2	W	Last day for filing application for graduation in August
Aug.	14	M	Masters' theses due in the library
Aug.	18	F	Three-week session closes

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# OHIO UNIVERSITY — ATHENS, OHIO

(Established by Legislative Enactment, February 18, 1804)



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\*As of February 1, 1944

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ALUMNI GATEWAY

# OHIO UNIVERSITY AND THE WAR EFFORT

## THE 1944 SUMMER SEMESTER

In every conflict in which the United States has been involved since the American Revolution, Ohio University has given direct and significant aid.

The university is proud of its more than 4,000 alumni currently serving in the armed forces and of the contribution they are making to the cause of freedom and justice in the world. To match the service of these representatives on the fighting fronts it is striving to meet the extraordinary demands of the war situation as well as the normal educational needs of the day.

Continuing, in the present war, its tradition of home front service to the nation, Ohio University became one of the first schools in the country to adopt an accelerated program and to organize special war-training courses. It has given preliminary training to both Army and Navy aviation cadets, has directed E.M.S.W.T. courses in a three-state territory, has operated mechanics and vocational training schools, was the first school in the United States to receive a charter for a college unit of the American Red Cross, and has trained hundreds of young men for active duty in the Army in its R.O.T.C. and A.S.T.P. units.

## PLANS FOR THE RETURNING WAR VETERAN

Since it is expected that a large number of men and women who interrupted their educations for service with the armed forces will want to resume their educational programs upon the conclusion of hostilities, Ohio University is making definite plans in their interest.

A postwar planning committee has been at work for many months studying courses, curricula, degree requirements, and short-term practical programs of study. Plans are also under way for the construction of new buildings and the rehabilitation of old ones. In addition, upon invitation, the university has offered its facilities to the Veterans Administration for a regional headquarters on the campus for the counseling and advising of veterans with service disabilities.

The university has been approved by the War Department for a unit of the Army Student Training Reserve Program and has been assigned a quota. The first training cycle will open on April 10.

Administrative officers and faculty aim to provide, at the close of the war, educational programs suited to the needs and interests of returning soldiers as well as of recent high school graduates.

## UNIVERSITY IN YEAR-ROUND SESSION

In mobilizing its resources for continuous service during the war emergency, Ohio University two years ago adopted a new, year-round program of three full 16-week semesters.

The Summer Semester of 1944 will open on June 5 and close on September 22. The Fall Semester, opening on September 25, will close on January 26,

1945. The opening and closing dates of the Spring Semester are January 29 and May 26.

For the convenience of teachers and others not seeking the advantages of the accelerated program the 1944 Summer Semester will be divided into two eight-week terms: June 5 to July 28 and July 31 to September 22. It is expected that formal graduation exercises will be held at the conclusion of the first eight-week term.

A special three-week course has been scheduled for the benefit of those persons who will require only a few more hours of credit for graduation or for teacher qualification under emergency provisions. The course, opening on July 31 and closing on August 18, will run concurrently with the first three weeks of the second summer term. The maximum load for the three-week session will be three credit hours.

In the past, the school year has been regarded as starting in September. Under the accelerated plan, the summer semester is considered to be the initial period of the year. This semester, which is comparable in scope and sequence of course offerings to the fall and spring semesters, includes beginning courses which enable high school seniors to enter upon university courses immediately following spring graduation.

During the war emergency, a student who has completed 15 acceptable units with high grades in an accredited high school may be admitted to the university upon the recommendation of his high school principal, even though he has not graduated from high school.

All courses offered in the Summer Semester are given by members of the regular teaching staff and are awarded full college credit.

The year-round program makes it possible for students at Ohio University to complete all requirements for the baccalaureate degree in three calendar years. A student who wishes to pursue a more leisurely program, completing work for a degree in the traditional four-year period, may of course do so. Students will normally carry a 16-credit-hour load each semester. Permission to register for 18 credit hours, however, will be granted to students whose high school or previous college records warrant the carrying of additional hours.

#### SPECIAL ONE AND TWO-YEAR EMERGENCY AND POSTWAR CURRICULA

With the changes in the Selective Service Act lowering the age limit for military service to 18 years, Ohio University adapted its special study programs. In place of those curricula previously offered with a view to being helpful to prospective soldiers, others have been arranged to care for the present and postwar needs. The university continues to cooperate with the United States Office of Education in these matters, and will coordinate its work closely with such agencies as the Armed Forces Committee on Postwar Educational Opportunities for Service Personnel.

Special one and two-year emergency and postwar curricula are now available in the following fields: (One-Year) Accounting, Agriculture, Cleri-



cal Training, Graphic Arts, Home Economics, and Metalworking. (Two-Year) Accounting, Aerial Photogrammetry, Agriculture, Chemistry, Clerical Training, Conservation of Plant Resources, Dramatic Art, Electrical Engineering, Finance, Graphic Arts, Home Economics, Metalworking, Meteorology, Music, Personnel Management, Physics, Plant Pathology, Premedical, Production Control and Supervision, Public Service, Radio and Electronics, Recreation, Retail Selling, Secretarial Studies, Sociology, Speech Correction, and Woodworking. Complete curricular outlines for the foregoing courses will be found on pages 44-58. By following the accelerated program of the university; i.e., by attending all three semesters of the school year, these curricula may be completed in less than the "one-year" and "two-year" periods indicated.

In facilitating the pursuit of these special curricula, Ohio University is waiving certain of its University College requirements to permit the greater specialization demanded. Graduation from an accredited high school is the only requirement for entrance. Credit for all courses, as far as possible, will be allowed the student who wishes to continue his studies toward a baccalaureate degree after completion of a special curriculum. Diplomas will be awarded upon satisfactory completion of any of the one and two-year curricula except the premedical.

#### TEACHER PREPARATION AND TEACHER SHORTAGE

Ohio University desires to emphasize that the interests of teachers have not been neglected in the reorganization of the educational program. Teachers and school administrators who have come to the campus during past summers for refresher courses or for work on advanced degrees will find increased rather than decreased offerings. Likewise, teachers seeking certification with a four-year provisional certificate and those working toward temporary certificates will find adequate offerings. In general, teachers in service will find it possible to attend only the first eight-week term and the three-week session. During these two periods, however, most persons will be able to take 12 hours of work, the amount required for the renewal of a temporary certificate to teach in the elementary schools. A "refresher" course, Education 115, Modern Practices in the Elementary School, will afford an opportunity for the teacher who has been out of service to become acquainted with newer methods and materials in teaching.

School superintendents and principals who are harassed by the shortage of teachers should note that under special emergency provisions established by the State of Ohio Department of Education teachers now serving on their faculties, and others who have met the general requirements for teaching, may qualify for teaching a special subject (art, commerce, home economics, industrial arts, music, and physical welfare) by completing nine hours of work, and an academic subject (English, history, mathematics, etc.) by completing six hours of work in these subjects.

Ohio University has given special thought to the problems of these school administrators by so organizing its offerings that teachers who take them may

be shifted, under the emergency provisions, from relatively well-supplied fields to those in which acute shortages exist.

*An Accelerated Program for Veterans and Those Returning from Industry.* The College of Education will group its offerings in psychology and education which are required in preparation for teaching in the high schools or elementary schools in such a way as to enable a student to complete his professional requirements in less than the time usually required. All who wish to prepare for teaching will be offered the complete services of the college and the university with the expectation of advancing them as rapidly as possible in their preparation to teach. Each student's problems will be given individual attention. The Ohio State Department of Education requirements for certification will need to be met.

For additional information relative to the teacher shortage and the efforts of Ohio University to relieve it, see the statements under "Laboratory Schools" and "The College of Education".

## SPECIAL EVENTS AND FEATURES

**MIRA LECTURES.** Dr. Emilio Mira, now director of the Hospital Psiquiatrico in the province of Santa Fe, Argentina, will be on the campus for two weeks during the first eight-week term of the 1944 Summer Semester, the exact dates to be announced later. Dr. Mira was formerly professor of medicine at the University of Barcelona, Spain, and chief psychiatrist of the Loyalist forces in Spain. He will give a series of lectures which will be of general interest and open to the public, conduct a seminar carrying university credit in the department of psychology, and be available for psychiatric and counseling service by appointment.

**CHILDHOOD EDUCATION.** The College of Education is aware of the increased need for teachers who are prepared to work with pre-school age children in the all-day centers and with school age children in the activities of the extended day, week, and year. In January, 1944, there were 86 nursery schools and 50 centers for school-age children of working mothers operating in Ohio with partial support by the Federal government. Other centers are operating at local expense.

Ohio University will endeavor to meet these new demands by making available its usual extensive offerings in the field of child development\* and by the addition of services that meet war emergency needs. Offerings include experiences in music, art, literature, community recreation, nutrition (including the school lunch), and participation in play and work activities with children.

**LABORATORY SCHOOLS.** The university maintains school laboratory facilities at the University Elementary School in Rufus Putnam Hall, in the

\*Send for special leaflet on "Offerings and Experiences in Child Care." Address Dean, College of Education, Ohio University, Athens, Ohio.

public elementary school at The Plains, and at the senior high school in Athens. In addition to offering student teaching required for teacher certification, opportunities are available for observation in typical classroom situations, and for gathering data in research problems. The children of students attending the university are welcome to attend the schools during the first eight-week term of the summer semester. There is no tuition charge.

**FARM INSPECTION.** The department of agriculture of the College of Applied Science announces that on Friday and Saturday, June 16 and 17, farmers, students, and any other members of the community will be cordially welcome to visit and inspect the University Farm of 333 acres located on U. S. Route 50, five miles southwest of Athens.

**RECREATION AND ENTERTAINMENT.** Inasmuch as the Men's Union and the Women's League do not carry on a complete program during the summer, the Campus Affairs Committee serves as a committee on recreation and entertainment. A varied social program is planned and, for the most part, is subsidized by an allotment from the A.L.E. Fund so that most of its functions are free to all students in attendance during the summer semester.

Dormitory units sponsor one or more functions during the summer semester. The Women's Athletic Association carries on a program of hikes, cabin parties, and summer sports, including swimming, tennis, and badminton.

The School of Dramatic Art and Speech sponsors plays and the School of Music maintains glee clubs and instrumental organizations both for credit and recreational purposes. The Committee on Convocations provides for several convocations during the summer semester. These are in the form of lectures, concerts, and dramatic performances.

**THE EDWIN WATTS CHUBB LIBRARY.** The Edwin Watts Chubb Library contains more than 140,000 volumes and receives over 600 different periodicals annually. The building has reading and seminar rooms with a seating capacity of 600. A seminar room and stack carrels are set apart for the use of graduate students. The stacks, consisting of six floors, and the periodical and reference rooms will accommodate 250,000 volumes. The library is a designated depository of United States documents which are classified and catalogued by the Dewey system.

In the art gallery are hung exhibitions loaned by art museums, dealers, and artists. There is also a permanent collection of paintings owned by the university.

An unusual feature of the library is the juvenile room which is open to the children of the town and which cares for the needs of the public schools. This feature gives student teachers an opportunity to become familiar with a well-chosen collection of children's literature and serves as a model for the equipment and administration of a children's library.

**THE UNIVERSITY MUSEUM.** The museum, which contains more than 80,000 specimens, is located on the second floor of the Agriculture and Household Arts Building. The collection of rocks, minerals, and fossils numbers more than 30,000. There are sands, clays, and clay-products; Indian implements and utensils; stone and metal products of historic and economic interest; war

materials and the fighting implements of various races; and lamps and lighting devices from the earliest ages. The plant collections include an herbarium of about 750 local species of plants, an extensive seed collection, woods, and various plant products. Among the animal exhibits are found sponges, jellyfish, corals, various parasitic worms, starfish, and sea urchins; while the mollusca collection ranks among the best shown in American museums. There is also a collection of fish, amphibians, reptiles, birds, and mammals.

Teachers are invited to make a wide use of the collections in their special fields of interest. Friday has been set aside as visiting day.

**HEALTH SERVICE.** The University Student Health Service, with a staff of one doctor and five nurses, operates an outpatient clinic, an emergency service, and a 25-bed infirmary. The clinic is open during the day with entrance at the main door of the Agriculture and Household Arts Building. The emergency service is open at other times, with entrance at the rear of the same building. The personnel of the service comprises 21 individuals, of whom seven are students.

A continuous record of each student's health is maintained by the service. The physician of the Health Service has authority on the campus to take steps that may be necessary for the maintenance of health, and students are expected to cooperate with him in the prevention of communicable disease.

New students, whether freshmen or transfers, must present evidence of vaccination against smallpox before being admitted to Ohio University. A blank certificate giving detailed instructions is sent to each applicant for admission and must be returned to the registrar, properly completed and signed.

**SCHOLARSHIPS.** Ohio University offers a limited number of scholarships, which consist of the remission of the general registration fee of \$40 a semester, to students with high scholastic records. These scholarships will be available for the summer semester on the same basis as for the fall and spring semesters. Applications should be filed as early as possible in the semester preceding the date when the student expects to register in the university. For scholarship information write to the dean of men or the dean of women.

**LOAN FUNDS.** Several loan funds have been established at Ohio University for the purpose of giving financial assistance to worthy students who need only relatively small amounts of money to advance or complete their educational programs. The loaning stipulations of these funds vary as to the amounts obtainable, the loan period, and the qualifications of borrowers. In most instances loans are restricted to juniors and seniors.

**BUREAU OF APPOINTMENTS.** The Bureau of Appointments is a service office maintained by Ohio University principally for the purpose of assisting graduates in securing employment. However, the services are available, on the same basis as to seniors, to any student who finds it necessary to discontinue his education and seek permanent employment before taking his degree. The bureau also attempts to be of assistance to those seeking advancement to more desirable positions as well as to those seeking initial placement.

## REGULATIONS AND REQUIREMENTS

**CORRESPONDENCE.** All correspondence pertaining to the admission of a student to the university should be addressed to the Registrar and Director of Admissions, Ohio University, Athens, Ohio. An application blank and all credentials for admission, including a certificate of vaccination, should be presented to the registrar's office not later than one month preceding the opening of the semester in which a student begins his work. Full particulars regarding the registration of freshmen and the orientation program will be mailed to students following their acceptance for admission. The general catalog of the university, containing a description of courses, will be sent upon request.

**ADMISSION.** The university admits without examination all graduates of high schools in Ohio which are on the approved list of the State of Ohio Department of Education. A student who has completed 15 acceptable units with high grades in an accredited high school may be admitted upon the recommendation of the high school principal, even though he has not graduated from high school. A graduate of an out-of-state high school is admitted if the high school from which he is graduated is on the list of high schools approved by the board of education of that state and if he qualifies for admission to the state university of his own state. A resident of a state which does not support a state university of the same general scope and standards as Ohio University is admitted if he ranks in the upper two thirds of his graduating class.

**TRANSFER STUDENTS—GRADUATE AND UNDERGRADUATE.** A student who is a resident of the State of Ohio and who is entitled to an honorable dismissal from the last college or university attended may be admitted to the university upon the presentation of a complete transcript of high school and college credit and a certificate of vaccination. A transfer student who is not a resident of the State of Ohio may be admitted if he has attained at least a "C" average in his college work and qualifies for admission to the state university of his own state.

An applicant for admission to the Graduate College must be a graduate of an accredited institution. A transcript of his previous college credit must be presented with the application for admission. A student who does not expect to receive a master's degree from Ohio University enrolls as a special student and needs to present only an official statement of graduation.

**REGISTRATION.** Details concerning the registration procedure are given in the schedule of classes which may be obtained in the registrar's office. Registration fees for the summer terms are payable during the first two days of a term. A fee of one dollar is charged for late registration, with the addition of one dollar for each day late. Students who register after the registration days designated in the university calendar pay registration fees on the day of their registration, and are subject to the late registration fee.

**COLLEGE ABILITY TEST.** An undergraduate student entering Ohio University for the first time is required to take the college ability test and a

vocational interest test. A notice giving date, place, and hour of the tests is sent to the student with his admission credentials.

**ACADEMIC LOAD.** The normal academic load of an eight-week term of the Summer Semester is eight credit hours of work. Permission to register for an additional credit hour will be granted to students whose high school or previous college records warrant the carrying of the additional hour. The maximum load for the three-week session will be three credit hours.

Credit is designated in semester hours. A semester hour is the equivalent of one recitation or two or more laboratory periods a week through a semester. The normal load for an eight-week term is just half of that carried in a 16-week semester, while the number of recitation and laboratory periods is approximately double that of a semester. The credit hours applicable to any given course taken in an eight-week summer term are therefore the same as for a full semester.

**PHYSICAL FITNESS.** The physical fitness of young men and young women is a matter of interest and concern to the nation at all times; in wartimes it is a matter of paramount importance. In conformity with the desires of the War Department and the United States Office of Education, Ohio University has increased, for the period of the emergency, the physical activity requirement. Every Ohio University student, therefore, is required to take a one-hour course in physical activity each semester that he is in residence during the emergency.

Exemptions are made only in special cases and for a limited number of reasons. Automatic exemptions are made for graduate students and for students over 30 years of age.

**MILITARY SCIENCE.** Effective for the duration of the war only, all physically fit male students between the ages of 14 and 24, inclusive, are required to register for military science and tactics as follows: students classified as freshmen, sophomores, and first-semester juniors are required to register for three consecutive semesters, or until the basic infantry training has been completed. Second-semester juniors (those having completed at least 70 semester hours of credit) and seniors, unless excused in special cases, are required to register for military science each semester until they have completed the basic infantry training or are graduated.

**CREDIT FOR STUDENTS ENTERING MILITARY SERVICE.** A student who withdraws from the university to enter military service before the end of the fifth week of an eight-week summer term, receives no credit, but is given a refund of the general registration fee. A student who withdraws after the fifth week of a summer term, receives full credit in the courses in which he is passing at the time of his withdrawal. If a student is to receive either a refund of fees or academic credit, he is required to attend classes to within ten days before reporting for military service.

**CREDIT FOR MILITARY SERVICE.** A maximum of 8 semester hours of college credit for basic military training, or 16 semester hours for officer's training, will be granted to a student who, after completing his military service, enrolls in the university and presents an official statement certifying the length of time in service and his rank.

If a student is within one semester of graduation, he may receive his credit due for military service without enrolling in the university, provided he has met his curriculum and scholastic requirements for a degree and provided the amount of credit granted is sufficient to complete the total semester hours required for graduation. The student will be graduated in absentia.

**GRADES AND POINT SYSTEM.** The grading system is as follows: A, very high; B, high; C, average; D, passing; F, failure; I, incomplete; W, withdrawn, WP, withdrawn passing; and WF, withdrawn failing.

For each semester hour of credit with the grade of A, a student receives four points; B, three points; C, two points; D, one point; I, no points until the final grade is determined; F, and WF, no points. A student's semester average is determined by the grades reported at the close of the semester. WP does not affect a student's scholastic average. The number of semester hours of F, WF, and I are counted as hours attempted in computing a student's scholastic average.

**FINAL EXAMINATIONS.** All students are required to take final examinations in order to receive credit. Final examinations are held during the last week of a session.

**RESIDENCE.** The minimum residence requirement for a degree or a diploma is two semesters or the equivalent in summer terms which should total not fewer than 30 weeks. A student must be in residence during the session in which the degree is granted unless he has been granted permission to graduate in absentia.

**APPLICATION FOR GRADUATION.** A candidate for graduation must make application for graduation in the registrar's office not later than the dates given in the university calendar. The diploma fee for a degree is \$10; for a diploma, \$2.50.

**UNIVERSITY CATALOG.** For complete details concerning university regulations and requirements and for a description of course offerings, see the general catalog of the university which will be mailed upon request made to the Registrar and Director of Admissions, Ohio University, Athens, Ohio.

## LIVING ACCOMMODATIONS

Lindley Hall will be open for the accommodation of women students during the summer semester. The charges for room rent are (double room) \$2.50 to \$3 a week, with a limited number of single rooms available at from \$3.25 to \$4 a room. The charge for board is \$6 a week, a rate which will be maintained as long as possible. In the event of continued or excessive rises in food costs, however, the university reserves the right to adjust the rate accordingly. The full charge for room and board for the semester or term is payable on or before the end of the first week of school. Special arrangements may be made for installment payments. Applications for dormitory rooms should be filed with the dean of women. A \$5 retaining fee must accompany the application.

In all probability, the men's dormitory will not be available during the coming summer, since it is anticipated that these quarters will be required for a unit of the Army Specialized Training Reserve Program. Satisfactory accommodations for men may be found in private homes, however. Lists of inspected and approved rooms in private homes for both men and women are on file in the offices of the dean of men and the dean of women, respectively.

There are two cooperative housing units for men owned and operated by the university. These units house 100 men, and have dining room facilities for approximately 110. A room in a cooperative unit rents for \$24 a semester for each person. The cost of board, which will depend upon prevailing food prices, averaged \$4 a week during 1943. The cooperative units are open only to those men who find it necessary to live on decidedly reduced incomes. Admission is based upon need and scholarship. Applications should be filed with the dean of men.

### FEES AND EXPENSES

The general registration (tuition) fee is \$40 each semester for an Ohio resident and \$65 for a non-resident.\* An athletic, lecture, and entertainment fee of \$5, a health fee of \$2, and a library fee of \$1 are charged each student.

For each eight-week term of the summer semester the fees for residents of Ohio are: general registration, \$20; athletic, lecture, and entertainment, \$2.50; health, \$1; and library, \$.50. The registration fee for non-residents (except those from Massachusetts and New York) is \$32.50.

Students enrolled in the three-week session, July 31 to August 18, running concurrently with the first three weeks of the second summer term, will pay a course fee of \$5 per semester hour of credit.\*\* The maximum load is three credit hours.

A student in attendance at Ohio University may expect to spend approximately \$184 each semester for the following items: general registration for a resident of Ohio, A.L.E., health, and library fees (\$48); rent of room, double (\$40); and board, average rate (\$96).

Fees are assessed at registration time and are payable at the treasurer's office. Registration fees for the summer terms are payable on the first two days of each term. There is an additional fee for late registration or the late payment of fees. In addition to the registration fees, there are some miscellaneous fees and occasional laboratory or breakage fees. These fees are nominal in amount, and will be found listed in the general catalog of the university. In general, laboratory fees are assessed at the rate of \$1 for each semester hour of credit.

\*Students coming from states which do not have state universities similar in scope and standards to Ohio University pay a general registration fee of \$90 each semester session and \$45 during an eight-week term of the summer semester. These states are Massachusetts and New York.

\*\*There is no general registration fee for residents of Ohio. A registration fee for non-residents (except those from Massachusetts and New York) will be charged at the rate of \$2 for the first credit hour and \$1.50 for each additional credit hour. Residents of Massachusetts and New York will pay a registration fee of \$4 for the first credit hour and \$3 for each additional credit hour. These registration fees are in addition to the course fee of \$5 per credit hour.





CENTURY-OLD MCGUFFEY ELMS

## UNIVERSITY ORGANIZATION

Ohio University comprises the following colleges and major units: University College, College of Arts and Sciences, College of Education, College of Commerce, College of Applied Science, College of Fine Arts, Graduate College, Division of Physical Welfare, Division of Military Science and Tactics, and the University Extension Division.

Inquiries relative to a college and its offerings may be addressed to the office of the dean of the college.

### THE UNIVERSITY COLLEGE

The University College is the freshman division of the university. It was established with a view to helping beginning students to adjust more easily to university life and to study more effectively. Through the guidance of the dean of the University College and the counseling program, high school graduates are insured valuable orientation and adjustment opportunities.

Because a student oftentimes is undecided as to the field for which he is best adapted and in which he is most interested, the requirements of the University College are designed to lay a foundation for the constructive program of any professional study into which he may go. Figuratively, it is the trunk of the tree from which the various professional branches may gain their sustenance. In this division, students may experiment in the different fields and develop their interests. The freshman year continues the general program begun in the high school and allows for only a minimum of professional study.

The first year in the university and the four years a student has spent in high school are considered as a five-year unit. Such a program insures that necessary areas in which a student is lacking in high school experience, and, therefore, may be considered as being deficient, are completed in the first year of the university before specialized study is undertaken.

When upperclass students and students transferring from other institutions are lacking in certain specified requirements, they, also, are registered in the University College. The work of students pursuing the special one and two-year courses is also directed by the University College. The one and two-year curricula include opportunities for preparation for special army and navy enlistments.

The year in the University College and the three years in one of the degree colleges of the university constitute the four years required for the baccalaureate degree. As explained elsewhere in this bulletin the four-year period can be shortened by adopting the accelerated program.

### THE COLLEGE OF ARTS AND SCIENCES

The College of Arts and Sciences is providing a well-balanced program for the two summer sessions so that majors in any department, as well as those enrolled in the other colleges, will be able to plan a program that meets

their needs for an eight-week term or for the entire summer semester. New courses and special curricula are available in certain fields.

Special curricula are offered for premedical, pre dental, nursing, and medical technology students, as well as for students preparing to enter industrial chemistry, government conservation work, law, and social service as a profession. Premedical or pre dental students can now prepare for admission to medical school or dental school in four or five semesters. The course in medical technology can now be completed in six semesters followed by one year spent at Mount Carmel Hospital, Columbus, Ohio. For the clinical year in medical technology, special scholarships, worth up to \$300 and made possible by a grant from the Kellogg Foundation, are available.

The College of Arts and Sciences confers the degrees: Bachelor of Arts, Bachelor of Science, and Bachelor of Science in Chemistry. In working toward any of these degrees, a student may select from a wide range of subjects and have a considerable choice of electives. The college provides courses designed to give a broad liberal education. The program of the student enrolled in the college is planned to enable him to understand both oral and written English, to evaluate critically the ideas and actions of others, to recognize the moral values and purposes which inspire the lives of men, to know about the affairs of men, as well as the forces of nature, and to choose a profession or vocation, that he may better serve society as a competent and morally responsible individual.

In completing the requirements for the Bachelor of Arts degree, the student is free to choose a major and a minor from English, a foreign language and literature, one of the fine arts, a natural science or mathematics, or a social science. The requirements for the Bachelor of Science degree include 54 hours in the natural sciences and mathematics, while the Bachelor of Science in Chemistry degree requires 83 hours in chemistry and the other natural sciences and mathematics. Detailed information concerning courses being offered in botany, chemistry, Classical languages, English, geography and geology (including meteorology), German, government, history, mathematics, personal relations, philosophy, physics, psychology, Romance languages, sociology, and zoology may be found elsewhere in this bulletin and in the general catalog. Students who wish to complete the requirements for certification to teach in the various fields will find required subjects available in the various departments and in the College of Education.

## THE COLLEGE OF EDUCATION

The College of Education is devoted to the education of men and women who intend to enter the fields of teaching and educational administration. The degree, Bachelor of Science in Education, is granted upon completion of curricula covering a course of four years with specialization in elementary education, in any of the academic fields for teaching in high schools, or in the special subjects of art, industrial arts, home economics, physical welfare, commerce, or music. A student may finish a four-year course in less than three calendar years by accelerating his university program.

Because of the emergency situation, a student seeking a *temporary cer-*

*tificate* to teach high school subjects in which there is a shortage of teachers will be permitted to take student teaching near the close of his junior year provided he has, (1) acquired at least 75 semester hours of credit, (2) met the English, speech, and point average requirements prerequisite to student teaching, and (3) completed prerequisite courses in the major in which he will be expected to do his student teaching.

Students, however, who are financially and otherwise able to remain in college until the bachelor's degree has been earned ought to do so. There will, no doubt, be later emergencies which will make it very advisable for a student to have his degree at as early a date as possible and before going into teaching or other kind of employment.

During the war emergency period, the College of Education will continue to offer three-year diploma courses for those who wish to become kindergarten-primary or intermediate grade teachers. To earn a three-year diploma, a student must complete 94 hours of work with a point-hour ratio of 2.000 in all hours attempted, including the completion of specified courses. The appropriate four-year provisional certificate will be issued upon completion of the studies required for the three-year diploma.

Since there is a shortage of fully certified teachers for the elementary school, temporary certificates may be issued upon the request of the employing superintendent. To be eligible for such a certificate *a student must have completed 64 semester hours (two years) in specified subjects* selected from one of the three-year courses, including student teaching.

Opportunity will be afforded for work in Observation and Participation and Student Teaching during the first eight-week term of the summer semester in kindergarten, all elementary grades, and some subjects in high school. A student should make his request early for a reservation. Address all inquiries to Dr. A. B. Sias, Director of Teacher Training, Ohio University, Athens, Ohio.

*Teachers are needed.* Several hundred schools were without teachers in Ohio in 1943-1944. Approximately 4,500 temporary certificates will have been issued by the State of Ohio Department of Education by the close of the 1943-1944 school year. Now is a good time to prepare for teaching with assurance of a permanent position. The Ohio University accelerated program gives opportunity for continuous preparation looking toward an early entrance into the teaching profession.

## THE COLLEGE OF COMMERCE

The 1944 Summer Semester course offerings of the College of Commerce are sufficiently comprehensive to meet the needs of almost any student whether he be freshman, upperclassman, special student, degree student, student in another college, or war veteran.

The College of Commerce offers curricula leading to the degrees of Bachelor of Science in Commerce, Bachelor of Science in Journalism, and Bachelor of Science in Secretarial Studies. All stress cultural background as well as professional specialization. They are flexible enough to permit

the development of any individual's special interest which is approved by the college.

The curricula in commerce enable a student to stress one or more of several fields including accounting, advertising, banking, business law, pre-law-school preparation, economics, finance, labor, management or personnel, marketing, public utilities, taxation, and statistics.

The curricula in journalism combine classroom courses with actual experience on the staff of a daily newspaper. Four of these curricula are: general writing and editing, feature and magazine writing, advertising, and business management.

The main purpose of the curriculum in secretarial studies is to prepare secretaries for responsible positions in business and other institutions, and for civil service. However, a large number of students who take secretarial subjects are College of Education students minoring or majoring in the field of secretarial studies.

The College of Commerce cooperates with the College of Education and offers both teaching minors and majors. The teaching majors include book-keeping-social business, business education, economics, salesmanship-merchandising, and stenography-typewriting.

More complete details about the College of Commerce, its course offerings, its curricula, its degrees, and its attention to the individual student's interest through its advisory system will be found in the general catalog of the university, a copy of which will be sent upon request.

## THE COLLEGE OF APPLIED SCIENCE

The College of Applied Science is composed of the departments of agriculture, civil engineering, electrical engineering, and industrial arts, and the School of Home Economics. It offers work leading to the following degrees: Bachelor of Science in Agriculture, Bachelor of Science in Architectural Engineering, Bachelor of Science in Civil Engineering, Bachelor of Science in Electrical Engineering, Bachelor of Science in Industrial Engineering, and Bachelor of Science in Home Economics. Each curriculum offers options which students may choose to further their specialization.

Every effort is made by the college and its faculty to give men and women the type of training needed in our national emergency. Programs of study may be adjusted toward this end. This is particularly important to a student who cannot hope to be graduated before he joins the military forces. The normal curricula, however, emphasize fundamentals rather than specialization. Thus a graduate is prepared for diversified positions, either in our national war effort or in peacetime pursuits.

Candidates for degrees in engineering who entered the university after September 1, 1940, will complete a minimum of 140 semester hours, plus the physical welfare requirements, with a point-hour ratio of 2.000 in all hours attempted. Candidates for degrees in home economics and agriculture, who entered after September 1, 1940, will complete a minimum of 124 hours, plus

the physical welfare requirements, with a point-hour ratio of 2.000 in all hours attempted.

The curricula in home economics are planned (1) to equip women for the efficient and successful administration of a home, (2) to train students for leadership and active participation in community, state, and national problems, (3) to provide training in home economics for those who wish to teach in junior and senior high schools, vocational schools, and adult education classes, and (4) to provide training for positions in various fields of home economics, such as dietetics and institutional management, social welfare work, nursery schools, and business.

More complete details about the College of Applied Science, its course offerings, its curricula, and its degrees will be found in the general catalog of the university, a copy of which will be sent upon request.

### THE COLLEGE OF FINE ARTS

Composed of three schools, the School of Dramatic Art and Speech, the School of Music, and the School of Painting and Allied Arts, the College of Fine Arts is designed to offer a student a liberal cultural education in the fine arts and a thorough preparation in one of the three specialized fields. The Bachelor of Fine Arts degree with emphasis in one of the three divisions is awarded to students who successfully complete the prescribed curriculum.

For the degree of Bachelor of Fine Arts, a minimum of 32 semester hours for a major in (a) dramatic art and speech, (b) music, or (c) painting and allied arts and a minor of 12 semester hours in each of the other two fields are required. In certain special cases the second minor may be held to a minimum of 8 semester hours with the consent of the dean of the college and the directors of the schools.

A candidate for the degree of Bachelor of Fine Arts who is preparing to teach should plan his program to fulfill the minimum requirements for a teaching certificate.

Candidates for the degree who entered the university before September 1, 1940, are required to have 124 semester hours and 248 scholastic points; candidates who entered after September 1, 1940, are required to complete the general graduation requirements, which include a minimum of 124 semester hours with a point-hour ratio of 2.000 in all hours attempted.

The program of the College of Fine Arts has been planned to permit great flexibility in the selection of courses in order to meet the needs of individual students.

### THE GRADUATE COLLEGE

The Graduate College provides a fifth year of advanced specialized training designed to give a more thorough and fundamental understanding of some field of study, and confers the degrees: Master of Arts, Master of Science, Master of Education, and Master of Fine Arts.

The program of each student is prepared in accordance with certain general principles established by the Graduate Council, which aim to provide for independent study and investigation by the student, as well as for further formal training in major and minor fields. When the proposed plans of a student seem to call for a program that is unified and consistent though not in accord with the principles adopted, such individual program is taken before the Graduate Council for action. Flexibility in the hands of the Graduate Council avoids too great a mechanical emphasis on knowledge broken up into units and the evaluation of a student's work solely on the basis of hours of credit earned.

Students registered in the college and those wishing to begin graduate work will find a varied list of courses scheduled for both sessions in the 1944 Summer Semester. Courses numbered 200-399, when approved by an adviser or the dean, carry graduate credit. For the convenience of teachers and others who cannot remain for the entire sixteen weeks, courses adapted to the interests and needs of such students are scheduled for the eight-week period ending July 28. For students who wish to register for three or four additional hours, provision is made for the completion of courses on an intensive basis by August 18 or August 25.

Students holding a bachelor's degree from an accredited college or university are eligible for admission to the Graduate College. Applicants from some unaccredited institutions are admitted conditionally. Application blanks may be obtained from the Office of the Registrar. Graduates from Ohio University need not file an official transcript of their undergraduate work. Upon being admitted to the college, a student confers with the dean regarding his plans for graduate study, at which time arrangement for faculty advisers in the major and minor fields is made.

The requirements for the master's degree include a minimum of 32 semester hours of approved work (including a thesis carrying four to eight hours' credit) and a minimum of 30 weeks of residence unless credit has been transferred from another institution. In such cases a minimum of 24 weeks of residence is required. A maximum of eight semester hours may be transferred from approved institutions. A maximum of six semester hours of approved work may be taken in extension classes. In general, all the requirements for the master's degree may be completed in one year (or 32 weeks) of residence, although many students take more time. Some serve as graduate assistants half time, others take their work in summers only, while a few carry part-time graduate work while they are employed full time.

A formal, oral examination covering the thesis subject and courses taken is given by a committee representing the major and minor fields and the Graduate Council.

## THE DIVISION OF PHYSICAL WELFARE

The Division of Physical Welfare offers a program for graduate and undergraduate students who wish to major or minor in physical education, health, and recreation. Students are trained to teach or supervise in the

following fields: elementary and secondary schools; colleges; state departments of education; city, rural, and industrial recreation; and summer camps and playgrounds. All of the facilities of the division are available for both men and women.

The division maintains two gymnasiums, one for men and the other for women, and offers facilities for expression in sports and hobby classes, rhythmic, and swimming. Tennis courts and athletic fields are available for summer semester students. Each afternoon, except Saturday, the division offers a recreational hobby project designed to meet the interests and needs of students. Instruction is given to volunteer groups in the activities desired. Instruction is also given in social and square dancing. Students interested in these activities should consult a member of the staff of this division.

The war service program includes a requirement that all students take a course in physical fitness each semester they are in the university. During the summer semester the credit will be one-half hour, classes meeting three times a week.

By fulfilling the requirements, students who wish to major in the Division of Physical Welfare may apply for the following degrees: Bachelor of Science, Bachelor of Arts, or Bachelor of Science in Education.

## THE UNIVERSITY EXTENSION DIVISION

The Extension Division offers two types of service whereby students may earn college credit while living at home—extension classes and correspondence study.

Extension classes are organized in any community within a reasonable distance of the university provided the required number of students can agree upon a course. The number of students required depends upon the distance from the campus. The instructor meets the class once a week.

The Extension Division will arrange a program of evening college classes at the freshman level in a community, provided the enrollment is large enough to justify the effort and provided the local board of education will apply for it and will agree to cooperate. It is possible for a student to earn sufficient credit at home under this program to enter Ohio University as a sophomore.

Under certain conditions six semester hours of extension class credit can be applied toward the master's degree.

The correspondence division offers over 230 courses, taught by members of the regular faculty from over 30 departments. The courses appeal to persons who want to engage in systematic study during their spare time. Qualified students are accepted at any time.

In extension classes and in correspondence study, students may earn 40 semester hours of credit to apply toward a bachelor's degree.



The requirements for admission to the university with the exception of the college ability test, apply to students who register in the Extension Division for either class work or correspondence study.

Ohio University is a member of the National University Extension Association. This association is made up of over 50 recognized colleges and universities that maintain divisions of university extension. It promotes standards by strict procedures for admission to membership.

Persons interested should write to the Extension Division, Ohio University, Athens, Ohio, for a special bulletin and other information.

### THE DIVISION OF MILITARY SCIENCE AND TACTICS

Work will be offered in the Division of Military Science and Tactics during the summer semester. The following explanation of military training at the university is included in the bulletin for the benefit of any beginning students and for the general information of all students at the university.

Beginning with the fall semester of 1943, and effective for the duration of the war, all physically fit male students between the ages of 14 and 24, inclusive, are required to register for military science and tactics as follows: students classified as freshmen, sophomores, and first-semester juniors are required to register for three consecutive semesters, or until the basic infantry training has been completed. Second-semester juniors (those having completed at least 70 semester hours of credit) and seniors, unless excused in special cases, are required to register for military science each semester until they have completed the basic infantry training or are graduated.

All necessary training equipment and the principal articles of the uniform are issued to basic course students by the Federal Government without cost. Articles so issued remain the property of the government and must be returned. A personal equipment fee of \$1.00 is assessed at the beginning of the summer semester to cover incidental expenses.

Students will not receive credit unless military science is carried for both eight-week terms, making a full semester of work.



EDWIN WATTS CHUBB LIBRARY

## COURSES OF INSTRUCTION

For the convenience of persons not seeking the advantages of the accelerated program, the 1944 Summer Semester will be divided into two eight-week terms: June 5 to July 28 and July 31 to September 22. All of the courses listed under these dates will be completed during the period indicated.

The university operates on a five-day basis. There will be no Saturday classes. Normally, a class carrying three hours of credit will meet daily (Saturday not included) for one hour; a class carrying two hours of credit, on Monday, Wednesday, and Friday; and a class carrying one hour of credit, on Tuesday and Thursday.

The catalog number indicates the student classification for which the course is designed. The numbers are grouped as follows: 1 to 99, for University College students; 100 to 199, for undergraduate students; 200 to 299, for advanced undergraduate and graduate students (not open to sophomores even though they have fulfilled the prerequisites for the courses); and 300 to 399, for graduate students.

## AGRICULTURE

## First Eight Weeks (June 5–July 28)

Catalog Number	Title of Course	Credit Hours	Time	Instructor
1	General Agriculture	3	9 daily; arr.	Wiggin
103	Fruit Growing	3	7 daily; arr.	Ellis
115	Soils and Fertilizers	3	8 daily; arr.	Ellis
124	General Dairying	3	10 daily; arr.	Wiggin
201	Farm Practices	3	Arranged	Ellis, Wiggin

## BOTANY

## First Eight Weeks (June 5–July 28)

1	Freshman Botany	3	8 daily; 9 TTh	Vermillion
133	Nature Study	3	10 daily; 11 WF	Vermillion
222	Plant Pathology	3	1 daily; 2 TTh	Vermillion
281	Research in Botany	1-6	Arranged	Vermillion
391	Seminar in Botany	1-4	Arranged	Vermillion
395	Thesis	1-8	Arranged	The Staff

## Second Eight Weeks (July 31–September 22)

1	Freshman Botany	3	8 daily; 9 TTh	Boetticher
107	Classification of Plants	3	10 daily; 9 MW	Boetticher
281	Research in Botany	1-6	Arranged	Boetticher
391	Seminar in Botany	1-4	Arranged	Boetticher
395	Thesis	1-8	Arranged	The Staff

## CHEMISTRY

## First Eight Weeks (June 5–July 28)

1	General Chemistry	4	10 daily; 1, 2 TWTh	Gullum
2	General Chemistry	4	11 daily; 1, 2 TTh; 2, 3 W	Eblin
105	Qualitative Analysis	3	9 TTh; lab. arr.	Gullum
106	Qualitative Analysis	3	Arranged	Gullum
113	Organic Chemistry (short course)	4	10 daily; 11 TTh	Morton
115	Organic Chemistry	3	11 daily	Dunlap
117	Organic Chemistry Laboratory	2	1, 2, 3 MWF	Morton

Catalog Number	Title of Course	Credit Hours	Time	Instructor
119	Organic Preparations	2	1, 2, 3 MWF	Dunlap
120	Organic Preparations	2	Arranged	Dunlap
168s	Teaching of Chemistry and Laboratory Practice	2	Arranged	Morton
221	Qualitative Organic Analysis	3	1 lec., lab. arr.	Dunlap
251	Special Problems in Chemistry	1-3	Arranged	The Staff
395	Thesis	1-4	Arranged	The Staff

**Second Eight Weeks (July 31-September 22)**

2	General Chemistry	4	10 daily; 1, 2 TWTh	Clippinger
107	Quantitative Analysis	4	8 MTThF; 12 hrs. lab. arr.	Clippinger
251	Special Problems in Chemistry	1-3	Arranged	The Staff
395	Thesis	1-4	Arranged	The Staff

**CIVIL ENGINEERING****First Eight Weeks (June 5-July 28)**

1	Engineering Drawing	2	7, 8 daily	Thomas
2	Engineering Drawing	2	7, 8 daily	Thomas
105	Descriptive Geometry	3	1 MWF; 10, 11 TTh	Thomas
177	Engineering Economy	3	8 daily	Gaylord
233	Structural Design	5	10, 11 daily	Gaylord

**Second Eight Weeks (July 31-September 22)**

74	The Slide Rule	1	2 hrs. arr.	Wilsey
110	Route Surveying	2	10, 11 daily	Clark
114	Mapping	3	2 TTh; 2, 3, 4 MWF	Clark
121	Applied Mechanics (Statics)	3	7 daily	Wilsey
122	Applied Mechanics (Dynamics)	2	8 MWF	Wilsey
126	Testing Laboratory	1	8, 9 TTh	Wilsey
151	Route Engineering	3	1 daily	Clark

**CLASSICAL LANGUAGES****First Eight Weeks (June 5-July 28)****LATIN**

221	Suetonius	3	9 daily	Hill
227	Roman History in the Classical Period	1	10 TTh	Jolliffe
229	Development of Roman Culture	2	8 MWF	Hill
232	History of Language	2	10 MWF	Jolliffe
239	Readings in Latin Literature	3	11 daily	Jolliffe
240	Special Work in Latin	1	8 TTh	Hill
395	Thesis	1-8	Arranged	The Staff

**COMMERCE****First Eight Weeks (June 5-July 28)****ACCOUNTING**

75	Elementary Accounting	3	9 daily	Fenzel
125	Intermediate Accounting	3	8 daily	Fenzel
281	Research in Accounting	2-8	Arranged	The Staff

**BUSINESS LAW**

159	Business Law	3	9 daily	Dykstra
175s	Government and Business	3	10 daily	Dykstra
180	Military Law	2	2 MTW	Dykstra
281	Research in Law	2-8	Arranged	The Staff

**ECONOMICS**

Catalog Number	Title of Course	Credit Hours	Time	Instructor
1	Economic Development of the United States	3	8 daily	Poston
15	Economic Geography	3	10 daily	Fenzel
101	Principles of Economics	3	9 daily	Gubitz
212	Administration of Personnel	3	10 daily	Gubitz
235	Labor Relations	3	11 daily	Gubitz
281	Research in Economics	2-8	Arranged	The Staff
395	Thesis	4-8	Arranged	The Staff

**FINANCE**

75	Personal Finance	2	8 MWF	Hanson
101	Money and Credit	3	9 daily	Hanson
121	Business Finance	3	11 daily	Hanson
281	Research in Finance	2-8	Arranged	The Staff

**JOURNALISM (See Journalism)**

**MANAGEMENT**

See Economics 212, 235, and 281

**MARKETING**

155	Marketing Principles	3	8 daily	Paynter
170s	Elements of Purchasing	3	9 daily	Paynter
201	Retail Selling Policies	3	10 daily	Paynter
281	Research in Marketing	2-8	Arranged	The Staff

**SECRETARIAL STUDIES**

15s	Typewriting	3	9 daily; 3 hrs. arr.	Sponseller
31	Shorthand	3	10 daily	Hardenburg
151s	Beginning Dictation and Transcription	4	8, 9 daily	Hardenburg
161t	Teaching of Typewriting	2	11 MWF	Hardenburg
175	Secretarial Practice	4	10 daily; 6 hrs. arr.	Sponseller
180	Operation of Office Machinery	2	11 daily; 2 hrs. arr.	Sponseller
287	Research in Business Teaching Problems	2-8	Arranged	The Staff
395	Thesis	4-8	Arranged	The Staff

**STATISTICS**

155	Business Statistics*	3	7, 8 daily	Adamson
156	Business Statistics**	3	7, 8 daily	Adamson
281	Research in Business Statistics	2-8	Arranged	The Staff

Second Eight Weeks (July 31-September 22)

**ACCOUNTING**

76	Elementary Accounting	3	9 daily	Beckert
175	Cost Accounting	3	10 daily	Beckert
281	Research in Accounting	2-8	Arranged	The Staff

**ADVERTISING**

155	Advertising Principles	3	9 daily	Krauskopf
176	Advertising Problems	2	11 MWF	Krauskopf
186	Retail Advertising	3	10 daily	Krauskopf
281	Research in Advertising	2-8	Arranged	The Staff

**BUSINESS LAW**

155	Business Law*	3	9, 10 daily	Staff Member
156	Business Law**	3	9, 10 daily	Staff Member
180	Military Law	2	2 MTW	Staff Member
281	Research in Law	2-8	Arranged	The Staff

\*Offered first four weeks

\*\*Offered second four weeks

**ECONOMICS**

Catalog Number	Title of Course	Credit Hours	Time	Instructor
3	Contemporary Economic Society	3	8 daily	Beekert
102	Principles of Economics	3	9 daily	Picard
216	Taxation	3	10 daily	Picard
228	Economics of War	3	11 daily	Picard
281	Research in Economics	2-8	Arranged	The Staff
395	Thesis	4-8	Arranged	The Staff

**JOURNALISM (See Journalism)****MANAGEMENT**

See Economics 3 and 281

**SECRETARIAL STUDIES**

16	Typewriting	2	10 daily; 2 hrs. arr.	Miller
32	Shorthand	3	11 daily	Miller
152s	Advanced Dictation and Transcription	4	8, 9 daily	Miller
287	Research in Business Teaching Problems	2-8	Arranged	The Staff

**EDUCATION**

First Eight Weeks (June 5-July 28)

**ELEMENTARY EDUCATION**

114	Education for Child Care in the War Emergency	3	11 daily	Hampel
115	Modern Practices in the Elementary School	3	2, 3 T; 2 Th; 2 hrs. arr.	Beechel
211	The Elementary Curriculum	3	8 daily	Quick

**HISTORY AND PHILOSOPHY**

251	The History of Education	3	8 daily	Shoemaker
255	Philosophy of Education	3	11 daily	Shoemaker
256	Progressive Education	3	7 daily	Hampel

**KINDERGARTEN-PRIMARY**

1	Play and Play Materials	2	7 MWF	Wilson
2	Literature for Early Childhood	3	10 daily	Quick
101	Activities for Early Childhood	3	7, 8 MWF	Staff Member
114	Education for Child Care in the War Emergency	3	11 daily	Hampel
115	Modern Practices in the Elementary School	3	2, 3 T; 2 Th; 2 hrs. arr.	Beechel
201	Kindergarten-Primary Curriculum	3	8 daily	Quick
204	Studies in Early Childhood Education	3	7 daily	Quick

**RESEARCH AND SCIENTIFIC TECHNIQUES**

281	Educational Statistics	3	9 daily	Morton
284	Research in Education*	2-6	Arranged	The Staff
287	Research in Business Teaching Problems	2-8	Arranged	The Staff
395	Thesis	4-8	Arranged	The Staff

**SCHOOL ADMINISTRATION AND SUPERVISION**

141	Audio-Visual Education	2	2, 3 TTh; 2 hrs. arr.	Hampel
242	Education and the War	2	2 MWF	Dixon
244	Problems in School Administration	3	10 daily	Dixon
248	Guidance	2	9 MWF	McCracken

**SECONDARY EDUCATION**

130	Principles of Secondary Education	3	9 daily	Shoemaker
131	Educational Tests and Measurements	2	11 MWF	Morton
230	High School Administration	3	8 daily	Sias

\*Students report to Dean T. C. McCracken for assignment

## SPECIAL EDUCATION

Catalog Number	Title of Course	Credit Hours	Time	Instructor
122	Diagnosis and Remedial Instruction in Elementary Subjects	2	7 MWF	Deland

## STUDENT TEACHING AND OBSERVATION

## Observation and Participation

171	Observation and Participation in Kindergarten-Primary Grades	2	Daily, arr. ; conference, 2, 3 M	Sias
175	Observation and Participation in Intermediate Grades	2	Daily, arr. ; conference, 2, 3 M	Sias
180	Observation and Participation in High School, Academic Subjects	2-3	Daily, arr. ; conference, 1, 2 T	Sias
182	Observation and Participation in Special Subjects—Art, Music, Physical Welfare, Commerce, Home Economics, Industrial Arts	2-3	Daily, arr. ; conference, 1, 2 T	Sias and Dept. Supervisors

## Student Teaching

172	Student Teaching in Kindergarten-Primary Grades	3	Daily, arr. ; conference, 2, 3 M	Sias
173	Student Teaching in Kindergarten-Primary Grades	2	Daily, arr. ; conference, 2, 3 M	Sias
174	Advanced Student Teaching in Kindergarten-Primary Grades	2-4	Daily, arr. ; conference, 2, 3 M	Sias
176	Student Teaching in Intermediate Grades	3	Daily, arr. ; conference, 2, 3 M	Sias
177	Advanced Student Teaching in Intermediate Grades	2-4	Daily, arr. ; conference, 2, 3 M	Sias
178	Student Teaching in Special Education	3	Daily, arr. ; conference, 2, 3 M	Sias, Deland
181	Student Teaching in High School, Academic Subjects	3-4	Daily, arr. ; conference, 1, 2 T	Sias
183	Student Teaching in Special Subjects—Art, Music, and Physical Welfare in the Elementary School	2	Daily, arr. ; conference, 2, 3 M	Sias and Dept. Supervisors
184	Student Teaching in Special Subjects—Art, Music, and Physical Welfare in the High School	2	Daily, arr. ; conference, 1, 2 T	Sias and Dept. Supervisors
185	Student Teaching in Special Subjects—Commerce, Home Economics, and Industrial Arts in High School	3-4	Daily, arr. ; conference, 1, 2 T	Sias and Dept. Supervisors

## TEACHING TECHNIQUES

## Chemistry

168s	Teaching of Chemistry and Laboratory Practice	2	Arranged	Morton
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## Commerce

161t	Teaching of Typewriting	2	11 MWF	Hardenburg
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## Elementary Education

163b	Teaching of Reading and Language	2-4	1 daily ; arr.	Staff Member
163g	Teaching of Arithmetic in Intermediate Grades	3	8 daily	Morton

## English

164a	Teaching of English in the Senior High School	2	11 MWF	Wray
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## History

169h	Teaching of History and Civics in Junior and Senior High Schools	2	7 MWF	Smith
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## Home Economics

168h	Teaching of Home Economics	3	7 daily	Patterson
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Music				
Catalog Number	Title of Course	Credit Hours	Time	Instructor
166e	Teaching of Music in Elementary Grades	2	11 MWF	Danielson
166f	Teaching of Music in First Six Grades	3	10 daily	Danielson
Painting and Allied Arts				
160c	Teaching of Design for Early Childhood	1	7, 8 T; arr.	Leonard
160g	Teaching of Design for Intermediate and Higher Grades	1	1, 2 T; arr.	Leonard
Physical Welfare				
167p	Teaching of Physical Welfare	1	11 TTh	Hatcher
167s	Teaching of Swimming (Women)	2	Arranged	Kellner
Physics				
168p	Teaching of Physics	2	Arranged	The Staff

Second Eight Weeks (July 31-September 22)

KINDERGARTEN-PRIMARY				
2	Literature for Early Childhood*	3	9, 10 daily	Flanagan
RESEARCH AND SCIENTIFIC TECHNIQUES				
284	Research in Education**	2-6	Arranged	The Staff
287	Research in Business Teaching Problems	2-8	Arranged	The Staff
395	Thesis	4-8	Arranged	The Staff
SCHOOL ADMINISTRATION AND SUPERVISION				
141	Audio-Visual Education	2	7, 8 MWF	Flanagan
SECONDARY EDUCATION				
130	Principles of Secondary Education	3	11 daily	Benz
230	High School Administration	3	10 daily	Benz

TEACHING TECHNIQUES				
Elementary Education				
163b	Teaching of Reading and Language*	2-4	11 daily; arr.	Flanagan
Music				
166e	Teaching of Music in Elementary Grades	2	11 MWF	Blayney
166j	Teaching of Music in Junior and Senior High Schools	3	1 daily	Blayney

ELECTRICAL ENGINEERING				
First Eight Weeks (June 5-July 28)				
101	Fundamentals of Radio	3	9 TTh; lab. arr.	Green
143	Electrical Engineering	4	Arranged	McClure
145	Dynamo and Measurements Laboratory	3	Arranged	McClure
149	Electrical Measurements Theory	2	Arranged	McClure
212	Advanced Radio Laboratory	1-2	Arranged	Green
244	Electrical Engineering	4	Arranged	Green
246	Electrical Engineering Laboratory	2	Arranged	Green

\*This course will be completed on Sept. 1

\*\*Students report to Dean T. C. McCracken for assignment



## ENGLISH

## First Eight Weeks (June 5–July 28)

Catalog Number	Title of Course	Credit Hours	Time	Instructor
3	English Composition	3	10 daily	Heidler
3	English Composition	3	8 daily	Peckham
4	English Composition	3	9 daily	Mackinnon
101	Sophomore English Literature	3	11 daily	Heidler
102	Sophomore English Literature	3	8 daily	Wray
111	The Chief American Writers	3	9 daily	Peckham
111	The Chief American Writers	3	7 daily	McQuiston
112	The Chief American Writers	3	10 daily	McQuiston
164a	Teaching of English in the Senior High School	2	11 MWF	Wray
202	Shakespeare	3	9 daily	McQuiston
213	English Prose Fiction	3	11 daily	Mackinnon
236	Modern Drama in English	2	1 MWF	Peckham
250	Books of the Season	2	2 MWF	Mackinnon
270	Spenser	2	10 MWF	Wray
273	Chaucer	3	8 daily	Heidler
301	Problems in English	1-3	Arranged	The Staff
395	Thesis	1-8	Arranged	The Staff

## Second Eight Weeks (July 31–September 22)

4	English Composition	3	7 daily	Bond
4	English Composition	3	9 daily	Bond
102	Sophomore English Literature	3	11 daily	Kirchner
111	The Chief American Writers	3	8 daily	Foster
112	The Chief American Writers	3	9 daily	Kirchner
226	American Literature	3	10 daily	Foster
301	Problems in English	1-3	Arranged	The Staff
395	Thesis	1-8	Arranged	The Staff

## FINE ARTS

## DRAMATIC ART AND SPEECH

## First Eight Weeks (June 5–July 28)

2	Voice and Articulation	2	8 MWF	Andersch
2	Voice and Articulation	2	9 MWF	Andersch
3	Public Speaking	2	10 MWF	Staats
125	Radio Play Production	3	1 M ; 7:30-9:30 p.m. TTh	Batcheller
147	Theatre Laboratory	1-2	2, 3 TTh or arr.	Batcheller
195	Principles of Speech Correction	3	11 daily	Andersch
209	Rhetorical Theory	3	10 TTh ; 1 hr. arr.	Staats
225	Problems in Speech Correction	3	2 MWF ; 4 hrs. arr.	Andersch
391	Seminar in Speech	2-3	Arranged	Staats

## Second Eight Weeks (July 31–September 22)

2	Voice and Articulation	2	8 MWF	Partridge
3	Public Speaking	2	9 MWF	Partridge
17	Introduction to the Fine Arts	2	10 MWF	Seigfred
125	Radio Play Production	3	1 M ; 7:30-9:30 p.m. TTh	Partridge
126	Radio Play Production	3	1 W ; 7:30-9:30 p.m. TTh	Partridge
179	History of the Visual Theatre	2	9 MWF	Seigfred

## MUSIC

## First Eight Weeks (June 5–July 28)

3	Ear Training and Sight Singing	1	10 MWF	Maaser
7	Music Appreciation	1	2 TTh	Peterson

Catalog Number	Title of Course	Credit Hours	Time	Instructor
11	Music History	2	11 MWF	Morley
71	Introduction to School Music	2	1 MTThF	Danielson
72	Music Fundamentals	2	9 MWF	Maaser
103	Ear Training and Sight Singing	3	8 daily	Maaser
105	Harmony	2	9 MWF	Kresge
111	Harmony	2	2 MWF	Kresge
133	Instrumentation	2	11 MWF	Janssen
166e	Teaching of Music in Elementary Grades	2	11 MWF	Danielson
166f	Teaching of Music in First Six Grades	3	10 daily	Danielson
171	Music Materials and Systems	2	2 MWF	Danielson
175	Music Appreciation for Grade Teachers	2	1 MWF	Maaser
	Organ	½-1	Arranged	Kresge
	Percussion Instruments	½-1	Arranged	Janssen
	Piano	½-1	Arranged	Kresge, Longstreet
	Stringed Instruments	½-1	Arranged	Ingerham
	Voice	½-1	Arranged	Peterson, Roach
	Wind Instruments (Brass or Wood)	½-1	Arranged	Janssen
	University Band	1	4 MW	Janssen
	University Orchestra	1	4 TTh	Ingerham
	University Glee Club (Women)	1	4 MW	Peterson

#### Second Eight Weeks (July 31–September 22)

4	Ear Training and Sight Singing	1	10 MWF	Blayney
17	Introduction to the Fine Arts	2	10 MWF	Seigfred
72	Music Fundamentals	2	9 MWF	Blayney
104	Ear Training and Sight Singing	3	8 daily	Blayney
106	Harmony	2	9 MWF	Fontaine
112	Harmony	2	2 MWF	Fontaine
113	Analysis and Form	2	9 MWF	Robinson
134	Instrumentation	2	11 MWF	Kinney
166e	Teaching of Music in Elementary Grades	2	11 MWF	Blayney
166j	Teaching of Music in Junior and Senior High Schools	3	1 daily	Blayney
	Wind Instruments (Brass or Wood)	½-1	Arranged	Witzler
	Piano	½-1	Arranged	Fontaine
	Stringed Instruments	½-1	Arranged	Kinney
	Voice	½-1	Arranged	Robinson
	University Band	1	4 MW	Witzler
	University Glee Club (Women)	1	4 TTh	Robinson

#### PAINTING AND ALLIED ARTS

##### First Eight Weeks (June 5–July 28)

3	The Arts for Elementary Teachers	2	7, 8 MWF	Work
11	Theory of Design	2	9, 10 MWF	Work
12	Theory of Design	2	8, 9 MWF	Burk
27	Figure Drawing	1	9 MWF; arr.	Way
49	Costume Appreciation	1	11 TTh	Way
71	Sketching	2	9, 10 TTh; arr.	Way
77	Elementary Photography	2	2 TTh; arr.	Staff Member
103	Practical Design	2	2, 3 MWF	Burk
113	Lettering	3	9, 10 MWF; arr.	Burk
118	Water Color	3	2, 3 MWF	Work
125	The Arts in Everyday Life	2	11 MWF	Way, Burk
127	Workshop in the Space Arts	1-6	Arranged	The Staff
137	Costume Design	2	1, 2 MWF	Way
138	Costume Design	2	1, 2 MWF	Way

Catalog Number	Title of Course	Credit Hours	Time	Instructor
147	Principles of the Space Arts in Advertising	2	10, 11 MWF	Work
157	Appreciation of the Space Arts	1	2 TTh	Way
160c	Teaching of Design for Early Childhood	1	7, 8 T; arr.	Leonard
160g	Teaching of Design for Intermediate and Higher Grades	1	1, 2 T; arr.	Leonard
221	Advanced Costume Design	2	1, 2 MWF	Way
281	Research in Design	1-5	Arranged	The Staff
391	Seminar in Design	1-5	Arranged	The Staff
393	Seminar in Painting	1-5	Arranged	The Staff
395	Thesis	4-8	Arranged	The Staff

**Second Eight Weeks (July 31–September 22)**

17	Introduction to the Fine Arts	2	10 MWF	Seigfried
45	Methods in Representation	1	10 TTh; arr.	Mitchell
46	Methods in Representation	1	11 TTh; arr.	Mitchell
127	Workshop in the Space Arts	1-6	Arranged	Mitchell, The Staff
205	Painting	2-10	Arranged	Mitchell
241	Advanced Painting	2-10	Arranged	Mitchell
281	Research in Design	1-5	Arranged	The Staff
391	Seminar in Design	1-5	Arranged	The Staff
393	Seminar in Painting	1-5	Arranged	The Staff
395	Thesis	4-8	Arranged	The Staff

**GEOGRAPHY AND GEOLOGY****First Eight Weeks (June 5–July 28)**

1	Elementary Geology	3	8 daily; 2 hrs. arr.; field trips	Blickle
101	Industrial and Commercial Geography	3	8 daily	Cooper
102	Geography of North America	3	9 daily	Addicott
131	Geography of Ohio	2	10 MWF	Cooper
132	Conservation of Natural Resources	3	10 daily; field trips	Addicott
150	Geography and Environment	3	11 daily	Cooper
280	Research in Geography	1-4	Arranged	Cooper

**Second Eight Weeks (July 31–September 22)**

2	Elementary Geology	3	8 daily; 2 hrs. arr.; field trips	Blickle
175	Elementary Meteorology	3	11 daily; 2 hrs. arr.	Dow
210	Geography and the World War	3	10 daily	Dow
280	Research in Geography	1-4	Arranged	Dow

**GERMAN****First Eight Weeks (June 5–July 28)**

1s	Beginning German	3	9 daily	Krauss
100	Intermediate German	3	11 daily	Krauss
221	Contemporary German Short Story	2	Arranged	Krauss
395	Thesis	1-8	Arranged	The Staff

**Second Eight Weeks (July 31–September 22)**

2s	Beginning German	3	9 daily	Hess
101s	Intermediate German	3	10 daily	Hess
121	Modern German Prose	2	Arranged	Hess
395	Thesis	1-8	Arranged	The Staff



CUTLER TOWER — A LAND MARK

## GOVERNMENT

## First Eight Weeks (June 5–July 28)

Catalog Number	Title of Course	Credit Hours	Time	Instructor
2	American Government	3	8 daily	Smith
86	Postwar Policies and Problems	2	9 MWF	Smith
105	Current Political and Social Problems	2	11 MWF	Smith
301	Problems in Government	1-3	Arranged	Smith
395	Thesis	1-8	Arranged	The Staff

## Second Eight Weeks (July 31–September 22)

1	American Government	3	10 daily	Morrison
216	International Relations	3	8 daily	Morrison
301	Problems in Government	1-3	Arranged	Morrison
395	Thesis	1-8	Arranged	The Staff

## HISTORY

## First Eight Weeks (June 5–July 28)

1	Survey of Western Civilization	3	8 daily	Eckles
71	Issues of the Present War (Same as Philosophy 71)	1	2 TTh	Martin
110	History of the United States to 1865	3	8 daily	Hoover
111	History of the United States Since 1865	3	9 daily	Hoover
169h	Teaching of History and Civics in Junior and Senior High Schools	2	7 MWF	Smith
206	English History Since 1815	2	11 MWF	Eckles
213	Europe in the Twentieth Century	3	10 daily	Eckles
258	Statesmen of the United States	2	10 MWF	Hoover
298	Problems in History	1-3	Arranged	Hoover
395	Thesis	1-8	Arranged	The Staff

## Second Eight Weeks (July 31–September 22)

2	A Survey of Western Civilization	3	11 daily	Volwiler
145	Latin American History	3	11 daily	Whitehouse
155	Military and Naval History of the United States	3	10 daily	Volwiler
254	United States Since 1900	3	11 daily	Morrison
395	Thesis	1-8	Arranged	The Staff

## HOME ECONOMICS

## First Eight Weeks (June 5–July 28)

21	Selection and Preparation of Food	3	10 daily ; 11 MWF	Patterson
23	Elementary Nutrition	1	2 TTh	Roberts
55	Household Arts for the Elemen- tary School	2	8 daily	Patterson
110	Textiles	3	2 daily ; 1 hr. arr.	Morse
122	Economics of Foods	3	8, 9 daily	Kahler
168h	Teaching of Home Economics	3	7 daily	Patterson
200	Problems in Home Economics	1-8	Arranged	The Staff
215	History of Costume and Textiles	2	10 MTWTh	Morse
216	Clothing Design and Construction	3	8, 9 daily	Morse
227	Quantity Cookery	3	10 daily ; 11 TWF	Kahler
228	Recent Developments in Food and Nutrition	3	11 daily	Roberts
248	Institutional Management	3	1 daily	Kahler

Catalog Number	Title of Course	Credit Hours	Time	Instructor
272	Child Development	2	3 TTh; 4 hrs. arr. between 9-12	Snyder
333	Special Problems in Chemistry of Foods and Nutrition	3	Arranged	Roberts
351	Special Problems in Home Economics	2-8	Arranged	The Staff
379	Special Problems in Child Development	2-3	Arranged	Snyder
395	Thesis	4-8	Arranged	The Staff

#### Second Eight Weeks (July 31-September 22)

1	Clothing Selection and Construction	3	8, 9 daily	Philson
131	Home Planning	3	10 daily; 11 MWF	Gerard
251	Home Management	2-3	9 daily	Gerard, Philson
253	Home Management Laboratory	3	Arranged	Philson
256	Economics of Consumption	3	8 daily	Gerard
395	Thesis	4-8	Arranged	The Staff

### INDUSTRIAL ARTS

#### First Eight Weeks (June 5-July 28)

1	Woodworking I	3	10, 11 daily	Paige
2	Woodworking II	3	10, 11 daily	Paige
1	Engineering Drawing	2	1, 2 daily	Thomas
2	Engineering Drawing	2	1, 2 daily	Thomas
6	Woodworking III (Wood Turning)	2	10, 11 MWF	Paige
7	Metals I—Sheet Metal	3	7, 8 daily	Kinison
8	Orientation in Industrial Arts	1	9 MWF	Kinison
9	Craft and Hobby Work	2	9 daily	Kinison
11	Graphic Arts I	3	10, 11, daily	Kinison
105	Materials and Finishes	3	7 daily	Paige
109	Woodworking IV (Cabinetmaking)	3	10, 11 daily	Paige
117	Shop and Machine Maintenance	2-4	Arranged	The Staff
122	Elementary Industrial Arts	1	9 MWF	Kinison
124	Metals II (Machine Shop)	2	8, 9 MTWTh	Paige
125	Metals III (Advanced Metal Working)	2	8, 9 MTWTh	Paige
126	Shop Engineering	2	8, 9 MTWTh	Paige
127	Shop Practice	2-3	Arranged	Kinison
129	Metals V (Welding)	2	Arranged	Staff Member
141	Graphic Arts II (Printing)	3	10, 11 daily	Kinison
142	Graphic Arts III (Printing)	3	10, 11 daily	Kinison
228	Special Problems in Industrial Arts	3	Arranged	Kinison
350	Advanced Wood, Metal, or Printing	3	Arranged	Kinison, Paige
381	Research in Industrial Arts	3-6	Arranged	Kinison, Paige
391	Seminar in Industrial Arts Education	1-6	Arranged	Kinison, Paige
395	Thesis	4-8	Arranged	The Staff

### JOURNALISM

#### First Eight Weeks (June 5-July 28)

103	News Writing	2	9 MWF	Lasher
110	Writing for Publication	2	10 MWF	Lasher
111	Reporting Practice	2-6	Arranged	Smiley
121	Editing Practice	2-6	Arranged	Harris
201	Advanced Reporting	2	Arranged	Lasher, Smiley
222	Feature and Magazine Writing	3	11 daily	Lasher
223	Advanced Feature and Magazine Writing	2	Arranged	Lasher

## Second Eight Weeks (July 31–September 22)

Catalog Number	Title of Course	Credit Hours	Time	Instructor
111	Reporting Practice	2-6	Arranged	Smiley
121	Editing Practice	2-6	Arranged	Harris
201	Advanced Reporting	2	Arranged	Lasher, Smiley
155	Advertising Principles	3	9 daily	Krauskopf
176	Advertising Problems	2	11 MWF	Krauskopf
186	Retail Advertising	3	10 daily	Krauskopf
281	Research in Advertising	2-8	Arranged	The Staff

## MATHEMATICS

## First Eight Weeks (June 5–July 28)

1	Elementary Algebra	4	8 daily; 9 MWF	The Staff
5	Freshman Mathematics	5	10, 11 daily	Marquis
117	Differential Calculus	4	8 daily; 9 MWF	Marquis
125	Elementary Statistics	3	10 daily	Starcher
395	Thesis	1-8	Arranged	The Staff

## Second Eight Weeks (July 31–September 22)

6	Freshman Mathematics	5	8, 9 daily	Reed
118	Integral Calculus	4	10 daily; 11 MWF	Reed
395	Thesis	1-8	Arranged	The Staff

## MILITARY SCIENCE

## First Eight Weeks (June 5–July 28)

5	Basic Infantry	1½	3 daily	Lee
103	Basic Infantry	1½	2 MTWF; 3 Th	Lee

## Second Eight Weeks (July 31–September 22)

5	Basic Infantry	1½	2 MTWF; 3 Th	Lee
103	Basic Infantry	1½	2 MTWF; 3 Th	Lee

Note: Military Science is a continuing sixteen-week course. A student will not receive credit unless the work is carried for both eight-week terms.

## PERSONAL RELATIONS

## First Eight Weeks (June 5–July 28)

1	College Problems (Men)	1	11 TTh	Lange
1	College Problems (Women)	1	11 TTh	Voigt and Staff
395	Thesis in Supervision and Guidance of Student Life	1-6	Arranged	The Staff

## Second Eight Weeks (July 31–September 22)

395	Thesis in Supervision and Guidance of Student Life	1-6	Arranged	The Staff
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## PHILOSOPHY

## First Eight Weeks (June 5–July 28)

71	Issues of the Present War (Same as History 71)	1	2 TTh	Martin
81	Problems of Religion	1	9 TTh	Martin
85	Principles of Reasoning	2	11 MWF	Martin
87	Elementary Ethics	2	10 MWF	Martin

Catalog Number	Title of Course	Credit Hours	Time	Instructor
107	The World's Great Religions	2	8 MWF	Martin
117	Social and Political Philosophy	2	9 MWF	Martin
210	Minor Studies in Philosophy	1-3	Arranged	Martin
395	Thesis	1-8	Arranged	Martin

**Second Eight Weeks (July 31-September 22)**

103	Introduction to Philosophy	3	9 daily	Houf
107	The World's Great Religions	2	8 MWF	Houf
210	Minor Studies in Philosophy	1-3	Arranged	Houf
395	Thesis	1-8	Arranged	Houf

**PHYSICAL WELFARE****First Eight Weeks (June 5-July 28)****MEN**

1	Physical Fitness	$\frac{1}{2}$	8:30-10 TTh	Nessley
1	Physical Fitness	$\frac{1}{2}$	9 MWF	Nessley
1	Physical Fitness	$\frac{1}{2}$	10 MWF	Nessley
9	Adapted Activities	$\frac{1}{2}$	11 MWF	Nessley
9	Adapted Activities	$\frac{1}{2}$	9 MWF	Nessley
123	Physical Activities	1	10 daily	Nessley

**MEN AND WOMEN**

22	Personal and Public Health	3	10 daily	Hatcher
127	First Aid	2	1-4 T	LaTourrette
167p	Teaching of Physical Welfare	1	11 TTh	Hatcher
209	Physical Activities Tests	2	Arranged	Nessley
249	Community Recreation	2	Arranged	Nessley

**WOMEN**

1	Sports (Badminton)	$\frac{1}{2}$	8 MWF	Hatcher
1	Sports (Badminton)	$\frac{1}{2}$	1-2:30 TTh	Hatcher
1	Sports (Gymnastics)	$\frac{1}{2}$	11 MWF	LaTourrette
2	Sports (Badminton)	$\frac{1}{2}$	3 MWF	Hatcher
2	Sports (Badminton)	$\frac{1}{2}$	2:30-4 TTh	Hatcher
2	Sports (Tennis)	$\frac{1}{2}$	10 MWF	LaTourrette
3	Beginning Swimming	$\frac{1}{2}$	9 MWF	Kellner
3	Beginning Swimming	$\frac{1}{2}$	3 MWF	Kellner
4	Intermediate Swimming	1	11 daily	Kellner
9	Adapted Activities	$\frac{1}{2}$	11 MWF	Hatcher
15	Folk and National Dancing	$\frac{1}{2}$	2 MWF	LaTourrette
114	Camp Craft	$\frac{1}{2}$	3-4:30 MW	LaTourrette
131	Mass Games	1	10 daily	Kellner
167s	Teaching of Swimming	2	Arranged	Kellner

**Second Eight Weeks (July 31-September 22)****MEN**

2	Physical Fitness	$\frac{1}{2}$	8 MWF	Trepp
2	Physical Fitness	$\frac{1}{2}$	9 MWF	Trepp
2	Physical Fitness	$\frac{1}{2}$	10 MWF	Trepp
10	Adapted Activities	$\frac{1}{2}$	11 MWF	Trepp
10	Adapted Activities	$\frac{1}{2}$	9 MWF	Trepp

**MEN AND WOMEN**

204	Principles of Physical Welfare	2	Arranged	Wilson
395	Thesis	4-8	Arranged	The Staff

**WOMEN**

1	Sports (Tennis)	$\frac{1}{2}$	10-11:30 TTh	Wilson
1	Sports (Badminton)	$\frac{1}{2}$	1-2:30 TTh	Wilson
2	Sports (Tennis)	$\frac{1}{2}$	10:30-12 TTh	Wilson



Catalog Number	Title of Course	Credit Hours	Time	Instructor
3	Beginning Swimming	½	10 MWF	Wilson
4	Intermediate Swimming	½	1 MWF	Wilson
10	Adapted Activities	½	2 MWF	Wilson
15	Folk and National Dancing	½	2 MWF	Wilson

## PHYSICS

## First Eight Weeks (June 5–July 28)

1	The Physical World	3	10 MTThF; lab., 1, 2 MW	Edwards
5	Introduction to Physics	4	9 daily; lab., 3, 4 MW	Edwards
113	General Physics	4	7 daily; lab., arr.	The Staff
168p	Teaching of Physics	2	Arranged	The Staff
225	Advanced Physics Laboratory	1-3	Arranged	Edwards
395	Thesis	1-6	Arranged	The Staff

## Second Eight Weeks (July 31–September 22)

6	Introduction to Physics	4	9 daily; lab., arr.	Roseberry
114	General Physics	4	8 daily; lab., arr.	Roseberry
226	Advanced Physics Laboratory	1-3	Arranged	Roseberry
395	Thesis	1-6	Arranged	The Staff

## PRINTING ADMINISTRATION

## First Eight Weeks (June 5–July 28)

11	Hand Composition and Typography	3-6	10, 11 daily	Kinison
21	Elements of Presswork	3-6	10, 11 daily	Kinison
144	Multigraph and Multilith Printing	3	10, 11 daily	Kinison

## PSYCHOLOGY

## First Eight Weeks (June 5–July 28)

1	General Psychology	3	10 daily	Scott
2	Psychological Approach to Everyday Problems	3	11 daily	Scott
5	Educational Psychology	3	10 daily	Paulsen
203	Mental Measurements	3	9 daily	Paulsen
210	Mental Hygiene	3	9 daily	Scott
215	Social Psychology	3	8 daily	Scott
220	Personnel and Vocational Counseling	2	11 MWF	Paulsen
225	Minor Problems in Psychology	1-3	Arranged	The Staff
395	Thesis	1-8	Arranged	The Staff

## Second Eight Weeks (July 31–September 22)

1	General Psychology	3	10 daily	Anderson
3	Child Psychology	3	9 daily	Anderson
113	Psychology of Adolescence (Junior and Senior High School Pupils)	2	11 MWF	Gentry
116	Psychology of Individual Differences	2	10 MWF	Gentry
217	Psychology of Personality	3	9 daily	Gentry
225	Minor Problems in Psychology	1-3	Arranged	The Staff
395	Thesis	1-8	Arranged	The Staff

## ROMANCE LANGUAGES

## First Eight Weeks (June 5–July 28)

## FRENCH

1s	Beginning French	3	10 daily	Renkenberger
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Catalog Number	Title of Course	Credit Hours	Time	Instructor
100	Intermediate French	3	Arranged	Wilkinson
201	Survey of French Literature	1-3	10 ; arr.	Wilkinson
204	Readings from French Literature	1-3	11 ; arr.	Renkenberger
281	Research in French Language and Literature	1-4	Arranged	The Staff
395	Thesis	1-8	Arranged	The Staff

**ITALIAN**

1	Beginning Italian	1	2 TTh	Wilkinson
101	Intermediate Italian	1-3	Arranged	The Staff
395	Thesis	1-8	Arranged	The Staff

**ROMANCE PHILOLOGY**

1	Pronunciation of Romance Languages	1	3 TTh	Wilkinson
321	Romance Philology (Old French)	2	Arranged	The Staff
341	Romance Philology (Old Spanish)	2	Arranged	The Staff
395	Thesis	1-8	Arranged	The Staff

**SPANISH**

1s	Beginning Spanish	3	7 daily	Ondis
1s	Beginning Spanish	3	8 daily	Wilkinson
2s	Beginning Spanish	3	8 daily	Renkenberger
100	Intermediate Spanish	3	8 daily	Ondis
100	Intermediate Spanish	3	9 daily	Renkenberger
142	Commercial Spanish	2	11 ; arr.	Ondis
201	Survey of Spanish Literature	3	1 ; arr.	Ondis
271	Advanced Spanish	1-4	Arranged	The Staff
395	Thesis	1-8	Arranged	The Staff

**Second Eight Weeks (July 31 - September 22)****FRENCH**

2s	Beginning French	3	9 daily	Noss
5	France in the Twentieth Century	1	Arranged	Noss
102s	Intermediate French	3	Arranged	Noss
119	French Civilization	2	Arranged	Noss
123	French Conversation	1-2	Arranged	Noss
271	Advanced French	1-4	Arranged	Noss
395	Thesis	1-8	Arranged	The Staff

**SPANISH**

2s	Beginning Spanish	3	8 daily	Whitehouse
102s	Intermediate Spanish	3	9 daily	Whitehouse
208	Cervantes	2	Arranged	Whitehouse
211	Spanish American Literature	2	Arranged	Whitehouse
271	Advanced Spanish	1-4	Arranged	Whitehouse
395	Thesis	1-8	Arranged	The Staff

**SOCIOLOGY****First Eight Weeks (June 5 - July 28)**

1	General Sociology	3	11 daily	Katona
103	Social Change and Social Problems	3	8 daily	Katona
105	Race Relations	3	10 daily	Katona
107	Educational Sociology	3	9 daily	Jeddeloh
208	Marriage and the Family	3	8 daily	Jeddeloh
222	Juvenile Delinquency	3	11 daily	Jeddeloh
239	Introduction to Case Work	2	11 MWF	Cusick
240	Advanced Case Work	2	11 MWF	Cusick
241	Juvenile Court Services	2	Arranged	Cusick
242	Advanced Juvenile Court Services	2	Arranged	Cusick
249	Case Work with the Aged	3	10 daily	Cusick

Catalog Number	Title of Course	Credit Hours	Time	Instructor
253	Institutional Social Service	3-5	Arranged	Jeddeloh
257	Internship Training in Social Agencies	3-5	Arranged	Jeddeloh
381	Research Problems in Sociology	1-3	Arranged	The Staff
395	Thesis	1-8	Arranged	The Staff

### ZOOLOGY

#### First Eight Weeks (June 5-July 28)

3	General Zoology	3	7, 8 MTThF	Krecker
103	Readings in Biology	1	W a.m. ; arr.	Frey
107	Principles of Heredity	3	9 daily	Krecker
112	Comparative Vertebrate Anatomy	4	7, 8 daily ; 5 add. hrs. arr. a.m.	Elliott
141	Elementary Bacteriology	4	7, 8 daily	Frey
145	Clinical Technic	2-3	9, 10 MTThF	Frey
201	Mammalian Anatomy	4	9, 10, 11 daily	Elliott
209	Biological Chemistry	4	7, 8 daily	Rowles
243	Biological Studies (f)	1-4	10, 11 daily	Krecker
243	Biological Studies (a,h)	1-4	Arranged	Frey
383	Minor Research in Biology	2-4	Arranged	The Staff
385	Research in Biology	2-4	Arranged	The Staff

#### Second Eight Weeks (July 31-September 22)

4	General Zoology	3	8, 9 MTWTh	Stehr
103	Readings in Biology	1	T a.m. ; arr.	Stehr
125	Elements of Physiology	4	10, 11 daily	Rowles
243	Biological Studies (b,c,g)	1-4	Arranged	The Staff
383	Minor Research in Biology	2-4	Arranged	The Staff
385	Research in Biology	2-4	Arranged	The Staff

## THE THREE-WEEK SESSION

The following courses will be available during the three-week session, July 31 to August 18, which will run concurrently with the first three weeks of the second summer term. This special session has been arranged for the benefit of those persons who will require only a few more hours of credit for graduation.

The maximum load for the three-week session will be three credit hours. Students may register in both the second eight-week term and the three-week session, but they may not carry more than the total number of credit hours allowed in an eight-week term.

### BOTANY

102	General Botany	3	1, 2, 3 daily	Boetticher
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### EDUCATION

160m	Teaching of Industrial Arts	3	Arranged	Kinison
201	Kindergarten-Primary Curriculum	3	7, 8 daily ; arr.	Staff Member
211	The Elementary Curriculum	3	7, 8 daily ; arr.	Staff Member
232	The High School Curriculum	2-3	8, 9 daily ; arr.	Benz
255	Philosophy of Education	3	8, 9 daily ; arr.	Staff Member
284	Research in Education*	2-3	Arranged	The Staff
395	Thesis	2-3	Arranged	The Staff

\*Students report to Dean T. C. McCracken for assignment

## ENGLISH

Catalog Number	Title of Course	Credit Hours	Time	Instructor
112	The Chief American Writers	3	Arranged	Kirehner
225	Recent British and American Poetry	3	Arranged	Poster

## FINE ARTS

## PAINTING AND ALLIED ARTS

391	Seminar in Design	1-5	Arranged	The Staff
395	Thesis	4-8	Arranged	The Staff

## GEOGRAPHY

108	Geography of Europe	3	9 daily ; 2 hrs. arr.	Dow
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## HISTORY

257	The Westward Movement	3	Arranged	Volwiler
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## INDUSTRIAL ARTS

160ra	Teaching of Industrial Arts	3	Arranged	Kinison
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## JOURNALISM

111	Reporting Practice	2-6	Arranged	Smiley
121	Editing Practice	2-6	Arranged	Harris

## PSYCHOLOGY

203	Mental Measurements	3	2, 3 MWF; lab. arr.	Anderson
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## SOCIOLOGY

101	Principles of Sociology	3	10, 11 daily; arr.	Houf
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## SPECIAL ONE AND TWO-YEAR EMERGENCY AND POSTWAR CURRICULA\*

### (ONE-YEAR CURRICULA)

## ACCOUNTING

First Semester	Hours	Second Semester	Hours
Acct. 75-76—Elementary Accounting	6	Acct. 125—Intermediate Accounting	3
Ec. 101—Principles of Economics	3	Acct. 133—Social Security Accounting	1
Eng. 1 or 3—English Composition	3	Acct. 175—Cost Accounting	3
Dram. A 2—Voice and Articulation or		Ec. 102—Principles of Economics	3
Dram. A. 3—Public Speaking	2	Eng. 2 or 4—English Composition or	
Electives	2-3	Sec. St. 120—Business Letter Writing	3
	16-17	Sec. St. 180—Operation of Office Machinery	2
		Electives	1-2
			16-17

\*See statement on page 8.

AGRICULTURE

First Semester	Hours	Second Semester	Hours
Agr. 1—General Agriculture .....	3	Agr. 102—Vegetable Gardening .....	3
Agr. 103—Fruit Growing .....	3	Agr. 104—Small Fruits .....	3
Agr. 121—Types and Breeds of Farm Animals .....	3	Agr. 116—Field Crops .....	3
Agr. 127—Types, Breeds, and Management of Poultry .....	3	Agr. 124—General Dairying .....	3
Agr. 201—Farm Practices .....	3	Agr. 202—Farm Practices .....	3
Electives .....	2	Electives .....	2
	17		17

CLERICAL TRAINING

Sec. St. 15—Typewriting .....	2	Acct. 102—Secretarial Accounting .....	3
Acct. 101—Secretarial Accounting .....	3	Sec. St. 131—Clerical Practice .....	2
Sec. St. 31—Shorthand or		Sec. St. 16—Typewriting .....	2
Ec. 101—Principles of Economics .....	3	Sec. St. 32—Shorthand or	
Ec. 3—Contemporary Economic Society .....	3	Bus. L. 159—Business Law .....	3
Sec. St. 180—Operation of Office Machinery .....	2	Fin. 101—Money and Credit .....	3
Sec. St. 120—Business Letter Writing .....	3	Elective .....	3
	16		16
Approved electives:			
Ec. 102—Principles of Economics .....	3		
Acct. 125—Intermediate Accounting .....	3		

GRAPHIC ARTS

C. E. 1—Engineering Drawing .....	2	C. E. 2—Engineering Drawing .....	2
Eng. 3—English Composition .....	3	Eng. 4—Eng. Composition .....	3
Ind. A. 11—Graphic Arts I .....	3	Ind. A. 142—Graphic Arts III .....	3
Ind. A. 141—Graphic Arts II .....	3	Ind. A. 144—Multigraph and Multilith Printing .....	3
Ind. A. 117—Shop and Machine Maintenance .....	2	Ind. A. 147—Graphic Arts IV .....	3
Electives .....	3	Electives .....	3
	16		17

HOME ECONOMICS

Eng. 1 or 3—English Composition .....	3	Eng. 2 or 4—English Composition .....	3
P.A.A. 125—The Arts in Everyday Life .....	2	H. Ec. 21—Selection and Preparation of Food (3) or	
H. Ec. 21—Selection and Preparation of Food (3) or		H. Ec. 1—Clothing Selection and Construction (3) or	
H. Ec. 1—Clothing Selection and Construction (3) or		H. Ec. 4—Clothing Appreciation (3) .....	3
H. Ec. 4—Clothing Appreciation (3) .....	3	H. Ec. 105—Household Equipment .....	3
Soc. 1—General Sociology .....	3	H. Ec. 23—Elementary Nutrition .....	1
Approved electives .....	5	Psych. 1—General Psychology .....	3
	16	Approved electives .....	3
			16

METAL WORKING

Ind. A. 6—Woodworking III .....	2	Ind. A. 107—Advanced Sheet Metal .....	2
Ind. A. 7—Metals I .....	3	Ind. A. 121—Pattern, Forge and Foundry .....	2
Ind. A. 124—Metals II .....	2	Ind. A. 125—Advanced Metal Working .....	2
Ind. A. 105—Materials and Finishes .....	3	Ind. A. 128—Advanced Machine Shop .....	3
C. E. 1—Engineering Drawing .....	2	Ind. A. 129—Welding .....	2
Electives .....	4	C. E. 2—Engineering Drawing .....	2
	16	Electives .....	3
			16



WOMEN'S GYMNASIUM

SOCIOLOGY AND SOCIAL WELFARE (See Two-Year Curricula)

WOODWORKING

First Semester	Hours	Second Semester	Hours
C. E. 1—Engineering Drawing	2	C. E. 2—Engineering Drawing	2
Ind. A. 1—Woodworking I	3	Ind. A. 2—Woodworking II	3
Ind. A. 6—Woodworking III	2	Ind. A. 3—Aircraft Woodworking	3
Ind. A. 101—Problems of House Construction	3	Ind. A. 102—Practical Carpentry	3
Ind. A. 105—Materials and Finishes	3	Ind. A. 117—Shop and Machine Maintenance	2
Electives	3	Ind. A. 16—Cement and Concrete Construction	2
	16	Electives	1-2
			16-17

(TWO-YEAR CURRICULA)

ACCOUNTING

Freshman Program

Acct. 75-76—Elementary Accounting	6	Acct. 125—Intermediate Accounting	3
Ec. 101—Principles of Economics	3	Acct. 133—Social Security Accounting	1
Eng. 1 or 3—English Composition	3	Ec. 102—Principles of Economics	3
Dram. A. 2—Voice and Articulation or		Eng. 2 or 4—English Composition	3
Dram. A. 3—Public Speaking	2	Sec. St. 120—Business Letter Writing	3
Electives	2-3	Sec. St. 180—Operation of Office Machinery	2
	16-17	Electives	1-2
			16-17

Sophomore Program

Acct. 175—Cost Accounting	3	Acct. 224—Standard Costs and Budgets	3
Acct. 255—Auditing Principles	3	Acct. 256—Auditing Practice	3
Bus. L. 155—Business Law	3	Bus. L. 156—Business Law	3
Mgt. 211—Industrial Management or		Stat. 156—Business Statistics	3
Ec. 212—Administration of Personnel	3	Electives*	4-5
Stat. 155—Business Statistics	3		16-17
Electives	1-2		
	16-17		

AERIAL PHOTOGRAMMETRY

Freshman Program

Eng. 1 or 3—English Composition	3	Eng. 2 or 4—English Composition	3
C. E. 1—Engineering Drawing	2	C. E. 10—Plane Surveying	3
Math. 5—Freshman Mathematics	5	Math. 6—Freshman Mathematics	5
Phys. 5—Introduction to Physics	4	Phys. 6—Introduction to Physics	4
Electives	2-3	Electives	1-2
	16-17		16-17

Sophomore Program

C. E. 105—Descriptive Geometry	3	C. E. 211—Photogrammetry	3
C. E. 107—Perspective Drawing	1	C. E. 213—Advanced Surveying Problems	2
C. E. 111—Topographic Surveying	2	P. A. A. 144—Photographic Processes	3
P. A. A. 143—Photographic Processes	3	Geog. 132—Conservation of Natural Resources	3
Geol. 125—Physical Geology	3	Phys. 205—Introduction to Physical Optics	2
Geog. 215—Cartography and Graphics	2	Phys. 206—Experimental Physical Optics	1
Electives	2-3	Electives	2-3
	16-17		16-17

\*Suggested electives: Acct. 195 or 243

## AGRICULTURE

Freshman Program	
First Semester	Second Semester
Hours	Hours
Agr. 1—General Agriculture ----- 3	Agr. 102—Vegetable Gardening ----- 3
Agr. 3—Forestry ----- 2	Agr. 104—Small Fruits ----- 3
Agr. 103—Fruit Growing ----- 3	Agr. 127—Types, Breeds, and Management of Poultry --- 3
Agr. 121—Types and Breeds of Farm Animals ----- 3	Bot. 221—Plant Pathology ----- 3
Bot. 101—General Botany ----- 3	Ind. A. 151—Farm Shop I ----- 3
Electives ----- 3	Electives ----- 2
17	17

## Sophomore Program

Agr. 115—Soils and Fertilizers ----- 3	Agr. 109—Landscape Gardening ----- 3
Agr. 135—Farm Management ----- 3	Agr. 116—Field Crops ----- 3
Agr. 131—Floriculture and Greenhouse Management ----- 2	Agr. 124—General Dairying ----- 3
Agr. 143—Plant and Animal Breeding --- 3	Agr. 202—Farm Practices ----- 3
Agr. 201—Farm Practices ----- 3	Ind. A. 152—Farm Shop II ----- 3
Electives ----- 2-3	Electives ----- 2
16-17	17

## CHEMISTRY

## Freshman Program

Eng. 1 or 3—English Composition ----- 3	Eng. 2 or 4—English Composition ----- 3
Chem. 1 or 3—General Chemistry ----- 4	Chem. 2 or 4—General Chemistry ----- 4
Phys. 5—Introduction to Physics ----- 4	Phys. 6—Introduction to Physics ----- 4
Math. 5—Freshman Mathematics ----- 5	Math. 6—Freshman Mathematics ----- 5
16	16

## Sophomore Program

Chem. 109—Quantitative Analysis ----- 5	Chem. 110—Quantitative Analysis ----- 5
Chem. 115—Organic Chemistry ----- 3	Chem. 116—Organic Chemistry ----- 3
Chem. 119—Organic Preparations ----- 2	Chem. 120—Organic Preparations ----- 2
Chem. 213—Physical Chemistry ----- 3	Chem. 214—Physical Chemistry ----- 3
Electives ----- 4	Electives ----- 4
17	17

## CLERICAL TRAINING

## Freshman Program

Acct. 101—Secretarial Accounting ----- 3	Acct. 102—Secretarial Accounting ----- 3
Sec. St. 15—Typewriting ----- 2	Sec. St. 16—Typewriting ----- 2
Ec. 3—Contemporary Economic Society --- 3	Ec. 15—Economic Geography ----- 2
Eng. 3—English Composition ----- 3	Eng. 4—English Composition ----- 3
Fin. 75—Personal Finance ----- 2	Sec. St. 131—Clerical Practice ----- 2
Sec. St. 180—Operation of Office Machinery ----- 2	Fin. 101—Money and Credit ----- 3
15	15

## Sophomore Program

Sec. St. 172—Secretarial Theory ----- 2	Sec. St. 181—Advanced Operation of Office Machinery ----- 2
Sec. St. 120—Business Letter Writing --- 3	Ec. 102—Principles of Economics ----- 3
Ec. 101—Principles of Economics ----- 3	Sec. St. 185—Office Management ----- 2
Mkt. 155—Marketing Principles ----- 3	Sec. St. 111—Speed Typewriting ----- 2
Acct. 133—Social Security Accounting --- 2	Bus. L. 159—Business Law ----- 3
Stat. 155—Business Statistics ----- 3	Stat. 156—Business Statistics ----- 3
16	15



CONSERVATION OF PLANT RESOURCES

Freshman Program			
First Semester	Hours	Second Semester	Hours
Agr. 3—Forestry .....	2	Agr. 4—Forestry .....	2
Bot. 101—General Botany .....	3	Bot. 102—General Botany .....	3
Bot. 107—Classification of Plants .....	3	Chem. 2 or 4—General Chemistry .....	4
Chem. 1 or 3—General Chemistry .....	4	Eng. 2 or 4—English Composition .....	3
Eng. 1 or 3—English Composition .....	3	Geog. 132—Conservation of Natural Resources .....	3
	<hr/> 15		<hr/> 15

Sophomore Program

Bot. 203—Plant Ecology .....	3	Bot. 204—Plant Ecology .....	3
Bot. 205—Plant Physiology .....	4	Bot. 206—Plant Physiology .....	4
Bot. 207—Mycology .....	3	Bot. 208—Mycology .....	3
Bot. 215—Taxonomy of Vascular Plants .....	3	Bot. 216—Taxonomy of Vascular Plants .....	3
Geog. 175—Elementary Meteorology .....	3	Electives .....	4
	<hr/> 16		<hr/> 17

Note: The above schedule is intended to give basic information and laboratory introduction to those who might wish to follow as helpers and assistants in fields of botanical research, field work in scouting, or general information in conservation.

DRAMATIC ART

Freshman Program

Dram. A. 2—Voice and Articulation .....	2	Dram. A. 23—Elements of Stage Lighting .....	3
Dram. A. 17—Introduction to Fine Arts .....	2	Dram. A. 103—Introduction to the Theatre .....	3
Dram. A. 21—Elements of Stage Scenery .....	3	Dram. A. 104—Masters of the Theatre .....	3
Dram. A. 34—Oral Interpretation .....	3	Dram. A. 107—Costuming the Play .....	2
Dram. A. 101—Movement and Pantomime .....	1	Dram. A. 109—Make-Up .....	2
Dram. A. 106—Costuming the Play .....	2	Dram. A. 149—Principles of Acting .....	3
Phil. 105—Brief Introduction to Philosophy .....	2		<hr/> 16
	<hr/> 15		

Sophomore Program

Dram. A. 122—Scene Design and Painting .....	3	Dram. A. 170—Theatre Management .....	2
Dram. A. 123—Stage Management .....	2	Dram. A. 221—Dramatic Composition .....	3
Dram. A. 150—Advanced Acting Technique .....	3	Dram. A. 251—Stage Direction .....	3
Dram. A. 179—History of Visual Theatre .....	3	Dramatic Literature (English elective) .....	2
Dram. A. 250—Stage Direction .....	3	Electives .....	6
Dramatic Literature (English elective) .....	2		<hr/> 16
	<hr/> 16		

ELECTRICAL ENGINEERING

Freshman Program

Math. 5—Freshman Mathematics .....	5	Math. 6—Freshman Mathematics .....	5
Phys. 5—Introduction to Physics .....	4	Phys. 6—Introduction to Physics .....	4
E. E. 101—Fundamentals of Radio .....	3	E. E. 102—Fundamentals of Radio .....	3
C. E. 1—Engineering Drawing .....	2	C. E. 2—Engineering Drawing .....	2
Electives .....	2	C. E. 74—The Slide Rule .....	1
	<hr/> 16	Electives .....	1
			<hr/> 16

Sophomore Program

Math. 117—Differential Calculus .....	4	Math. 118—Integral Calculus .....	4
E. E. 129—Circuits and Machinery .....	3	E. E. 130—Circuits and Machinery .....	3
E. E. 203—Communication Engineering .....	4	E. E. 204—Communication Engineering .....	4
E. E. 271—Engineering Electronics .....	3	E. E. 272—Engineering Electronics .....	3
Approved electives .....	4	Approved electives .....	4
	<hr/> 18		<hr/> 18

## FINANCE

## Freshman Program

First Semester	Hours	Second Semester	Hours
Eng. 3—English Composition .....	3	Eng. 4—English Composition .....	3
Acct. 75—Elementary Accounting .....	3	Acct. 76—Elementary Accounting .....	3
Ec. 101—Principles of Economics .....	3	Ec. 102—Principles of Economics .....	3
Fin. 75—Personal Finance .....	2	Fin. 121—Business Finance .....	3
Fin. 101—Money and Credit .....	3	Fin. 142—Consumer Financing .....	2
Electives .....	2-3	Electives .....	2-3
	16-17		16-17

## Sophomore Program

Acct. 125—Intermediate Accounting .....	3	Acct. 195—Advanced Principles of Accounting .....	3
Bus. L. 159—Business Law .....	3	Bus. L. 175—Government and Business .....	2
Fin. 175—Investment Principles .....	2	Ec. 215—Public Finance .....	3
Fin. 201—The Stock Market .....	2	Fin. 206—Investment Analysis .....	2
Fin. 215—General Insurance Principles and Practices .....	2	Fin. 212—Credits and Collections .....	2
Stat. 155—Business Statistics .....	3	Stat. 156—Business Statistics .....	3
Electives .....	1-2	Electives .....	1-2
	16-17		16-17

## GRAPHIC ARTS

## Freshman Program

C. E. 1—Engineering Drawing .....	2	C. E. 2—Engineering Drawing .....	2
Ind. A. 11—Graphic Arts I .....	3	Ind. A. 141—Graphic Arts II .....	3
P. A. A. 77—Elementary Photography .....	2	P. A. A. 78—Elementary Photography .....	2
Eng. 3—English Composition .....	3	Eng. 4—English Composition .....	3
Electives .....	6	Electives .....	6
	16		16

## Sophomore Program

Ind. A. 142—Graphic Arts III .....	3	Ind. A. 144—Multigraph and Multilith Printing .....	3
P. A. 112—Organization of Printing Production .....	4	Ind. A. 147—Graphic Arts IV .....	3
P. A. A. 147—Principles of Space Arts in Advertising .....	2	P. A. A. 148—Principles of Space Arts in Advertising .....	2
Electives .....	7	Electives .....	8
	16		16

## HOME ECONOMICS

## Freshman Program

Chem. 1—General Chemistry (4) or Zool. 3—General Zoology (3) .....	3-4	Chem. 2—General Chemistry (4) or Zool. 4—General Zoology (3) .....	3-4
Eng. 1 or 3—English Composition .....	3	Eng. 2 or 4—English Composition .....	3
H. Ec. 21—Food Selection and Preparation (3) or		H. Ec. 22—Meal Planning and Serving (3) or	
H. Ec. 1—Clothing Selection and Construction (3) or		H. Ec. 110—Textiles (3) .....	3
H. Ec. 4—Clothing Appreciation (3) .....	3	Psych. 1—General Psychology .....	3
Soc. 1—General Sociology .....	3	P. A. A. 101—Design and Composition .....	2
Approved electives .....	2	Approved electives .....	2
	16-17		16-17

## Sophomore Program

H. Ec. 21—Food Selection and Preparation (3) or		H. Ec. 22—Meal Planning and Serving (3) or	
H. Ec. 1—Clothing Selection and Construction (3) or		H. Ec. 110—Textiles (3) .....	3
		H. Ec. 131—Home Planning .....	3

First Semester	Hours	Second Semester	Hours
H. Ec. 4—Clothing Appreciation (3)-----	3	H. Ec. 251—Home Management -----	2
H. Ec. 105—Household Equipment -----	3	H. Ec. 272—Child Development -----	2
H. Ec. 225—Nutrition -----	3	Approved electives -----	6
H. Ec. 271—Child Development -----	2		16
Approved electives -----	5		
	16		

**METAL WORKING**

**Freshman Program**

Eng. 3—English Composition -----	3	Eng. 4—English Composition -----	3
C. E. 1—Engineering Drawing -----	2	C. E. 2—Engineering Drawing -----	2
Ind. A. 7—Metals I -----	3	Ind. A. 6—Woodworking III -----	2
Ind. A. 124—Metals II -----	2	Ind. A. 129—Welding -----	2
Electives* -----	6	Ind. A. 107—Advanced Sheet Metal -----	2
	16	Electives* -----	5
			16

**Sophomore Program**

Ind. A. 23—Metal Spinning -----	1	Ind. A. 117—Shop and Machine Maintenance -----	2
Ind. A. 105—Materials and Finishes -----	3	Ind. A. 118—Foundry Work -----	2
Ind. A. 116—Constructive Design -----	2	Ind. A. 119—Forge Work and Heat Treating -----	2
Ind. A. 121—Pattermaking, Forge and Foundry -----	2	Ind. A. 128—Metals IV -----	3
Ind. A. 125—Advanced Metal Work -----	2	E. E. 103—Practical Electricity -----	3
Electives -----	6	Electives -----	4
	16		16

**METEOROLOGY**

**Freshman Program**

Chem. 1 or 3—General Chemistry -----	4	Chem. 2 or 4—General Chemistry -----	4
Phys. 5 or 113—Introduction to Physics or General Physics -----	4	Phys. 6 or 114—Introduction to Physics or General Physics -----	4
Math. 5—Freshman Mathematics -----	5	Math. 6—Freshman Mathematics -----	5
Approved electives -----	4	Geog. 175—Elementary Meteorology -----	3
	17		16

**Sophomore Program**

Phys. 225—Advanced Physics Laboratory_	3	Phys. 226—Advanced Physics Laboratory_	3
Phys. 271—Physics of the Air -----	3	Phys. 272—Physics of the Air -----	3
Math. 117—Differential Calculus -----	4	Math. 118—Integral Calculus -----	4
Geog. 176—Aeronautical Meteorology ---	2-3	Geog. 202—World Weather and Climate_	2-3
Approved electives -----	4	Approved electives -----	4
	16-17		16-17

**MUSIC**

**Freshman Program**

Eng. 3—English Composition -----	3	Eng. 4—English Composition -----	3
Mus. 3—Ear Training and Sight Singing 1	2	Mus. 4—Ear Training and Sight Singing 1	2
Mus. 11—History of Music† -----	2	Mus. 12—History of Music* -----	2
Mus. 26—Elements of Music -----	1	Mus. —Applied Music -----	3-4
Mus. —Applied Music -----	3-4	Mus. —Ensemble (Vocal or Instr.) -----	1-2
Mus. —Ensemble (Vocal or Instr.) -----	1-2	Electives -----	4-6
Electives -----	4-5		14-18
	15-18		

\*It is suggested that these electives should include Physics 5 and 6 in the Freshman Program if the student's background in mathematics is sufficient.

†Mus. 5-6, Music Appreciation, may be substituted.

## Sophomore Program

First Semester	Hours	Second Semester	Hours
Mus. 17—Introduction to the Fine Arts	2	Mus. 18—Introduction to the Fine Arts	2
Mus. 103—Ear Training and Sight Singing	3	Mus. 104—Ear Training and Sight Singing	3
Mus. 105—Harmony	2	Mus. 106—Harmony	2
Mus. 115—Counterpoint	2	Mus. 116—Counterpoint	2
Mus. —Applied Music	3-4	Mus. —Applied Music	3-4
Mus. —Ensemble (Vocal or Instr.)	1-2	Mus. —Ensemble (Vocal or Instr.)	1-2
Electives	3-4	Electives	3-4
	16-19		16-19

## PERSONNEL MANAGEMENT

## Freshman Program

Ec. 101—Principles of Economics	3	Ec. 102—Principles of Economics	3
Acct. 75-76—Elementary Accounting	6	Acct. 125—Intermediate Accounting	3
Psych. 1—General Psychology	3	Psych. 131—Employee Selection and Placement	2
Soc. 101—Principles of Sociology	3	Psych. 133—Industrial Psychology	2
Electives	1	Psych. 220—Personnel and Vocational Counseling	2
	16	Soc. 110—Psychological Factors in Society	3
		Electives	1
			16

## Sophomore Program

Mgt. 211—Industrial Management	3	Ec. 212—Administration of Personnel	3
Stat. 155—Business Statistics	3	Stat. 156—Business Statistics	3
Acct. 175—Cost Accounting	3	Stat. 171—Charting	3
Fin. 121—Business Finance	3	Psych. 210—Mental Hygiene	3
Mkt. 155—Marketing Principles	3	Ec. 235—Labor Relations	3
Ec. 238—Labor Legislation	2	Mgt. 281—Research in Management	2
	17		17

## PHYSICS

## Freshman Program

Chem. 1 or 3—General Chemistry	4	Chem. 2 or 4—General Chemistry	4
Phys. 5—Introduction to Physics	4	Phys. 6—Introduction to Physics	4
Math. 5—Freshman Mathematics	5	Phys. 225a—Advanced Physics Laboratory	3
Electives	4	Math. 6—Freshman Mathematics	5
	17		16

## Sophomore Program

Phys. 205—Light: Introduction to Physical Optics	2	E. E. 150—Electrical Measurements	2
Phys. 206—Experimental Physical Optics	1	Phys. 220—Electricity and Magnetism	3
Phys. 208—X Rays	2	Phys. 226d—Advanced Physics Laboratory—Electronics	3
Phys. 214—Modern Spectroscopy	3	Phys. 261—Minor Problems in Physics	4
Phys. 219—Electricity and Magnetism	3	Electives	4
E. E. 149—Electrical Measurements	2		16
Electives	4		
	17		

## PLANT PATHOLOGY

## Freshman Program

Bot. 101—General Botany	3	Bot. 102—General Botany	3
Bot. 172—Plant Anatomy	3	Chem. 2 or 4—General Chemistry	4
Chem. 1 or 3—General Chemistry	4	Eng. 2 or 4—English Composition	3
Eng. 1 or 3—English Composition	3	Zool. 4—General Zoology	3
Zool. 3—General Zoology	3	Zool. 141—Elementary Bacteriology	4
	16		17

**Sophomore Program**

First Semester	Hours	Second Semester	Hours
Bot. 203—Plant Ecology .....	3	Agr. 132—Floriculture and Greenhouse Management .....	2
Bot. 205—Plant Physiology .....	4	Bot. 115—Phytopathologic Techniques .....	3
Bot. 209—Plant Microtechnic .....	3	Bot. 204—Plant Ecology .....	3
Bot. 221—Plant Pathology .....	3	Bot. 206—Plant Physiology .....	4
Zool. 119—General Entomology .....	4	Bot. 222—Plant Pathology .....	3
	17		15

**PREMEDICAL**

**Freshman Program**

Chem. 1 or 3—General Chemistry .....	4	Chem. 2 or 4—General Chemistry .....	4
Zool. 3—General Zoology .....	3	Zool. 4—General Zoology .....	3
Eng. 1 or 3—English Composition .....	3	Eng. 2 or 4—English Composition .....	3
Electives .....	7	Electives .....	7
	17		17

**Sophomore Program**

Zool. 112—Comparative Vertebrate Anatomy .....	4	Zool. 201—Mammalian Anatomy .....	4
Chem. 113, 117—Organic Chemistry .....	6	Zool. 202—Vertebrate Embryology .....	4
Phys. 5—Introduction to Physics .....	4	Phys. 6—Introduction to Physics .....	4
Zool. 107—Principles of Heredity .....	3	Chem. 107—Quantitative Analysis .....	4
Electives .....	1	Electives .....	2
	18		18

**PRODUCTION CONTROL AND SUPERVISION**

**Freshman Program**

Ec. 101—Principles of Economics .....	3	Ec. 102—Principles of Economics .....	3
Acct. 75-76—Elementary Accounting .....	6	Acct. 125—Intermediate Accounting .....	3
C. E. 1—Engineering Drawing .....	2	C. E. 2—Engineering Drawing .....	2
Ind. A. 121—Pattern Making, Forge, and Foundry .....	2	Ind. A. 126—Shop Engineering .....	2
P. R. 1—College Problems .....	1	C. E. 74—The Slide Rule .....	1
P. W. 1—Physical Fitness .....	1	C. E. 177—Engineering Economy .....	3
Elective .....	1	P. W. 2—Physical Fitness .....	1
	16	Elective .....	1
			16

**Sophomore Program**

Mgt. 211—Industrial Management .....	3	Ec. 212—Administration of Personnel .....	3
Stat. 155—Business Statistics .....	3	Stat. 156—Business Statistics .....	3
Acct. 175—Cost Accounting .....	3	Stat. 171—Charting .....	3
Ec. 235—Labor Relations .....	3	Acct. 224—Standard Costs and Budgets .....	3
Sec. St. 185—Office Management .....	2	Ec. 238—Labor Legislation .....	2
P. W. 1—Physical Fitness .....	1	Mgt. 281—Research in Management .....	2
Electives .....	2	P. W. 2—Physical Fitness .....	1
	17		17

**PUBLIC SERVICE**

**Freshman Program**

Ec. 101—Principles of Economics .....	3	Ec. 102—Principles of Economics .....	3
Eng. 1 or 3—English Composition .....	3	Eng. 2 or 4—English Composition .....	3
Govt. 1—American Government .....	3	Govt. 2—American Government .....	3
Hist. 110—The United States to 1865 .....	3	Hist. 111—The United States since 1865 .....	3
Soc. 1—General Sociology .....	3	Soc. 2—Social Problems .....	3
Electives .....	2	Electives .....	2
	17		17

## Sophomore Program

First Semester	Hours	Second Semester	Hours
Govt. 101—Comparative Government .....	3	Govt. 102—Comparative Government .....	3
Govt. 203—Municipal Government .....	2-3	Govt. 202—Constitutional Law .....	2
Govt. 216—International Relations .....	2-3	Govt. 204—Municipal Administration .....	2-3
Govt. 248—Public Administration .....	2-3	Govt. 217—Current International Problems .....	2-3
Hist. 255—Constitutional History .....	2	Govt. 249—Administrative Law .....	2-3
Electives .....	3	Electives .....	3
	14-17		14-17

## RADIO AND ELECTRONICS

## Freshman Program

Math. 5—Freshman Mathematics .....	5	Math. 6—Freshman Mathematics .....	5
Phys. 5—Introduction to Physics .....	4	Phys. 6—Introduction to Physics .....	4
E. E. 101—Fundamentals of Radio .....	3	E. E. 102—Fundamentals of Radio .....	3
C. E. 1—Engineering Drawing .....	2	C. E. 2—Engineering Drawing .....	2
Electives .....	2	E. E. 1—Engineering Orientation .....	1
	16	Electives .....	1
			16

## Sophomore Program

E. E. 127—Elements of Electrical Engineering .....	3	E. E. 204—Communication Engineering ..	4
Math. 117—Differential Calculus .....	4	E. E. 212—Advanced Radio Laboratory ..	2
E. E. 203—Communication Engineering ..	4	E. E. 272—Engineering Electronics .....	3
E. E. 225—Acoustics .....	3	Math. 118—Integral Calculus .....	4
E. E. 271—Engineering Electronics .....	3	Electives .....	3-4
Electives .....	1		16-17
	18		

## RECREATION

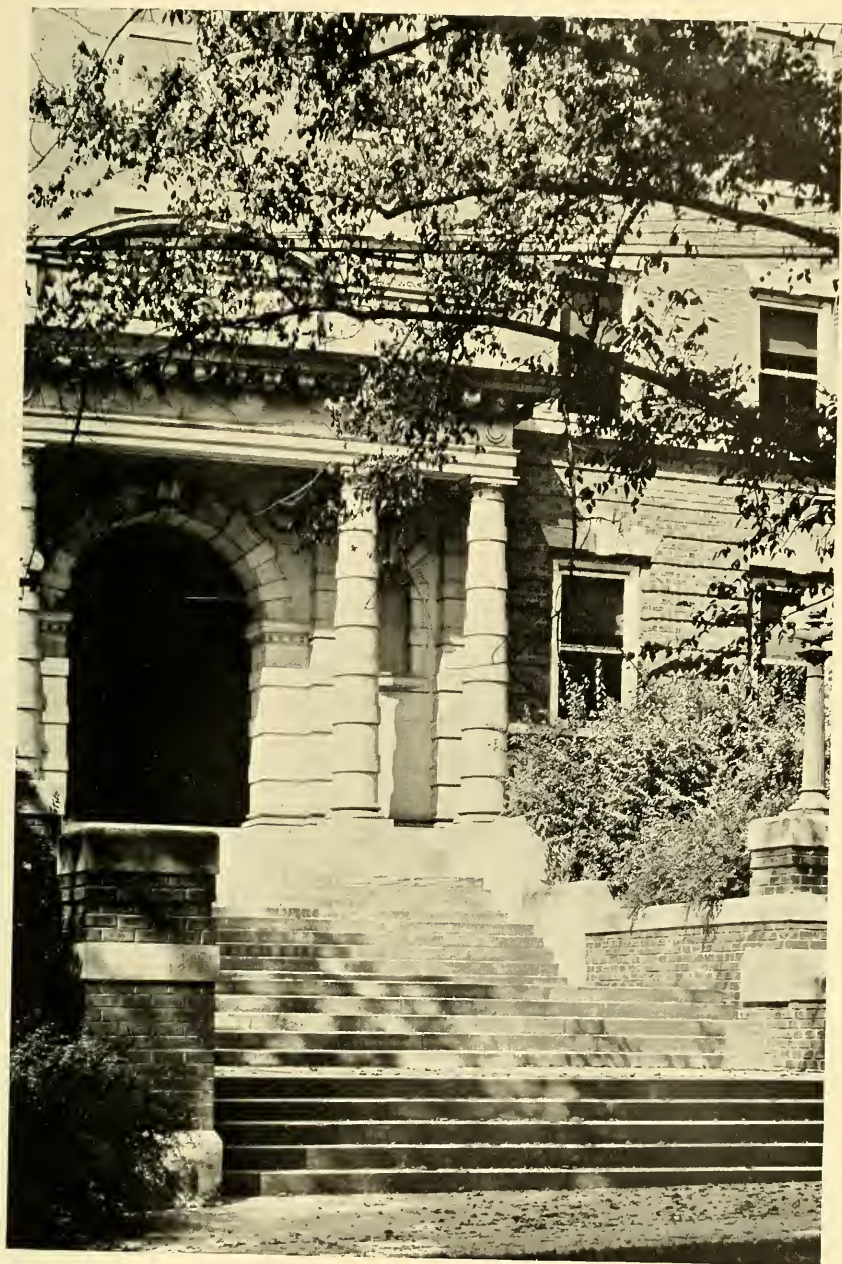
## Freshman Program

Eng. 1 or 3—English Composition .....	3	Eng. 2 or 4—English Composition .....	3
P. W. 1—Sports (Women) .....	1	P. W. 35—Social and Country Dancing ..	1
P. W. 15—Folk and National Dancing ..	1	P. W. 122—Physical Activities .....	2
P. W. 22—Personal and Public Health ..	3	P. W. 153—Nature and Function of Play ..	2
P. W. 121—Physical Activities .....	2	Dram. A. 3—Public Speaking .....	2
P. W. 127—First Aid .....	2	Approved electives .....	6
Ind. A. 9—Craft and Hobby Work .....	2		16
P. R. 1—College Problems .....	1		
Approved electives .....	1-2		
	16-17		

## Sophomore Program

P. W. 18—Life Saving Methods .....	1	P. W. 114—Camp Craft .....	1
P. W. 123—Physical Activities (Men) .....	1	P. W. 124—Physical Activities (Men) .....	1
P. W. 131—Mass Games (Women) .....	1	P. W. 125—Scouting (Men) .....	1
P. W. 167—Athletic Coaching .....	2	P. W. 125—Scouting (Women) .....	2
P. W. 181—Intramural Athletics (Men) ..	2	P. W. 150—Community Recreation .....	2
P. W. 249—Community Recreation .....	2	P. W. 167—Athletic Coaching .....	2
Dram. A. 105—Play Production .....	3	Approved electives .....	9
Mus. 130—Ensemble Conducting (Choral) ..	1		18
Soc. 101—Principles of Sociology .....	3		
Approved electives .....	1-2		
	17-18		

Note: Suggested fields of interest for approved electives: dramatic art, music, painting and allied arts, health and physical education, philosophy and ethics, nature study and botany, literature, sociology.



ELLIS HALL

## RETAIL SELLING

## Freshman Program

First Semester	Hours	Second Semester	Hours
Aect. 75—Elementary Accounting -----	3	Aect. 76—Elementary Accounting -----	3
Ec. 3—Contemporary Economic Society --	3	Eng. 4—English Composition -----	3
Eng. 3—English Composition -----	3	Advt. 155—Advertising Principles -----	3
Mkt. 155—Marketing Principles -----	3	Fin. 142—Consumer Financing -----	2
Electives* -----	4-5	Mkt. 171—Personal Selling -----	2
	16-17	Electives* -----	3-4
			16-17

## Sophomore Program

Dram. A. 3—Public Speaking -----	2	Dram. A. 2—Voice and Articulation ----	2
H. Ec. 256—Economics of Consumption --	3	Advt. 186—Retail Advertising -----	3
Mkt. 201—Retail Selling Policies -----	3	Advt. 202—Retail Buying and Stock Control -----	3
Mkt. 158—Marketing Problems -----	3	Jour. 247—Newspaper Advertising and Layout -----	3
Electives* -----	5-6	Electives* -----	5-6
	16-17		16-17

\*Suggested electives and/or alternates: Ec. 101, 102; Fin. 212; Mkt. 205; P. A. A. 125.

## SECRETARIAL STUDIES

## Freshman Program

Aect. 101—Secretarial Accounting -----	3	Aect. 102—Secretarial Accounting -----	3
Sec. St. 15—Typewriting* -----	2	Sec. St. 16—Typewriting* -----	2
Sec. St. 31—Shorthand* -----	3	Sec. St. 32—Shorthand* -----	3
Eng. 1 or 3—English Composition -----	3	Eng. 2 or 4—English Composition -----	3
Dram. A. 2—Voice and Articulation ----	2	Ec. 15—Economic Geography or	
P. R. 1—College Problems -----	1	Ec. 3—Contemporary Economic Society --	3
P. W. 1—Physical Fitness -----	1	P. W. 2—Physical Fitness -----	1
Elective -----	1	Elective -----	1
	16		16

## Sophomore Program

Sec. St. 120—Business Letter Writing ---	3	Sec. St. 111—Speed Typewriting -----	2
Sec. St. 151—Beginning Dictation and Transcription -----	5	Sec. St. 152—Advanced Dictation and Transcription -----	5
Sec. St. 172—Secretarial Theory -----	2	Sec. St. 180—Operation of Office Machinery -----	2
Bus. L. 155—Business Law -----	3	Sec. St. 185—Office Management -----	2
P. W. 1—Physical Fitness -----	1	P. W. 2—Physical Fitness -----	1
Electives -----	2	Electives -----	4
	16		16

## Approved Electives:

Aect. 125—Intermediate Accounting -----	3	Bus. L. 175—Government and Business --	2
Mgt. 211—Industrial Management -----	3	Ec. 101—Principles of Economics -----	3
Mkt. 155—Marketing Principles -----	3	Stat. 155—Business Statistics -----	3

\*Students entering with high school credit in shorthand or typewriting are required to take a placement test in order to determine the courses in these fields for which they should register. Substitute work will be given to those students who are assigned to advanced courses on the basis of the tests.



SOCIOLOGY AND SOCIAL WELFARE

One-year and two-year courses of study are available for men and women qualified or wishing to qualify for local, state, or federal civil service positions or for work with the rehabilitation service and private agencies. Courses may be pursued toward a diploma, or toward an undergraduate or graduate degree, depending on the practical experience or educational qualifications of the student. Student work will consist of classroom study, project assignment, and field training in agencies and institutions. The following employment areas are especially attractive:

- A. Social case work: Aid for the Aged, Public Assistance, Child Welfare, Family Agencies, Juvenile Courts, Public Schools, Veterans' Rehabilitation
- B. Community and Group Work Service: Settlements, Recreation Departments, Character Building Organizations, Community Organizations
- C. Correctional Work: Probation and Parole, Penal Institutions, Juvenile Correctional Schools
- D. Police Training: General Police Training, Police Welfare Service
- E. Social Investigation and Statistics: Social Investigation in Government Bureaus, Social Statistics

SPEECH CORRECTION

Freshman Program

First Semester	Hours	Second Semester	Hours
Dram. A. 2—Voice and Articulation	2	Dram. A. 34—Oral Interpretation	3
Dram. A. 3—Public Speaking	2	Dram. A. 162s—Teaching of Speech in the Grades	2
Dram. A. 212—Phonetics	3	Dram. A. 195—Principles of Speech Correction	3
Psych. 3—Child Psychology	3	Psych. 116—Psychology of Individual Differences	2
Ed. 112—Principles of Elementary Education	3	Ed. 130—Principles of Secondary Education	3
Eng. 3—English Composition	3	Electives	2
	16		15

Sophomore Program

Dram. A. 162x—Teaching of Speech in the High School	2	Dram. A. 105—Play Production	3
Dram. A. 210—Speech Pathology	3	Dram. A. 220—Clinical Methods	2
Dram. A. 219—Clinical Methods	2	Psych. 109—Experimental Psychology	3
Psych. 113—Psychology of Adolescence	3	Psych. 204—Psychology of Exceptional Children	2
Ed. 211—Elementary Curriculum	3	Psych. 210—Mental Hygiene	3
Ed. 232—High School Curriculum	3	Ed. 221—Organization of Special Classes	2
	16		15

WOODWORKING

Freshman Program

C. E. 1—Engineering Drawing	2	C. E. 2—Engineering Drawing	2
Ind. A. 1—Woodworking I	3	Ind. A. 2—Woodworking II	3
Ind. A. 6—Woodworking III	2	Ind. A. 3—Aircraft Woodworking	3
Eng. 3—English Composition	3	Eng. 4—English Composition	3
Electives*	6	Electives*	5
	16		16

\*It is suggested that these electives should include Physics 5 and 6 in the Freshman Program if the student's background in mathematics is sufficient.

Sophomore Program

First Semester	Hours	Second Semester	Hours
Ind. A. 101—Problems of House Construction -----	3	Ind. A. 16—Cement and Concrete Work	2
Ind. A. 105—Materials and Finishes -----	3	Ind. A. 102—Practical Carpentry -----	3
Ind. A. 109—Woodworking IV -----	3	Ind. A. 110—Woodworking V -----	3
Ind. A. 116—Constructive Design -----	2	Ind. A. 117—Shop and Machine Maintenance -----	2
E. E. 103—Practical Electricity -----	3	Electives -----	6
Electives -----	2		16
	16		



SUPER HALL (ENGINEERING—PHYSICS—INDUSTRIAL ARTS)



