Adventure in Higher Learning

University of Massachusetts Bulletin



VOLUME LVI

AUGUST, 1964

NUMBER III

Published six times a year by the University of Massachusetts in February, March, August, November (2), and December.

Second class mail privileges authorized at Amherst, Massachusetts.

35M-8-64-737014



Adventure in Higher Learning

## INFORMATION BULLETIN

**GENERAL** 

UNIVERSITY
OF
MASSACHUSETTS

# Table of Contents



							Pag
A Word from the President							3
The University and Its Campus .							4
Admission—How to Get Ready							5
What It Costs to Attend				,			7
A Place to Live, to Work, to Learn	١.						8
The Program and Its Opportunities	s						11
Arts and Sciences							12
Agriculture							14
Business Administration							16
Education							18
Engineering							20
Home Economics							22
Nursing							24
Physical Education							26
Public Health							28
Military and Air Science							28
Course Requirements in the Freshr	nan	Ye	ar				29
Where to Write for Further Inform							32

#### A WORD FROM THE PRESIDENT

No the pages that follow, you will find the University of Massachusetts described as "a place to live, to work, to learn." The University is, in other words, not only a place — but an opportunity. And the emphasis is on people, on teachers and students, on the men and women who contribute to and make our society what it is.

The full resources of the University are therefore always at the disposal of our students, whom we regard as the most important resource of all. And certainly if the young people we accept are to,live, work and learn well, then we must be sure that they are untersted and delicated people, who will profitably and effectively participate in all that the University has to offer.

This is important, for the University itself is committed to serving national objectives in one of the most challenging eras of world history. We therefore see our students as integrally involved in helping our society to grow and to contribute in all significant ways to fulfilling these objectives.

In the process, students can derive enjoyment and satisfaction in the laars measure. The University has rich opportunities both in its curricular and extracurricular activities. Those who wisely balance their programs, who place studies first and carefully select other activities, can experience the "connection between knowledge and the zest of life" that is reflected in the program of all true universities.

Cordially,

JOHN W. LEDERLI

#### THE UNIVERSITY

THE University of Massachusetts is the state university of the Commonwealth, founded in 1863 under provisions of the Morrill Land Grant Act passed by the United States Congress one year earlier.

The University is a member of the great community of Land Grant colleges and state universities serving the nation as principal resources of higher education for the country's citizenry. Incorporated as the Massachusetts Agricultural College in April, 1863, the institution was opened to a handful of students in 1867. Rooted in the liberal arts tradition (its early presidents were graduates of such colleges as Dartmouth, Williams, Amherst, and Harvard), it has grown steadily from the four teachers and four wooden buildings available for its opening session. Reflecting the broadening interests of its students, the General Court of the Commonwealth of Massachusetts authorized a second name, Massachusetts State College, in April, 1931. Sixteen years later, in May, 1947, the institution became the University of Massachusetts.

Situated in one of the most picturesque sections of the state, the University on its Amherst campus joins with its academic neighbors -Amherst, Smith, and Mount Holyoke Colleges - in maintaining the rich tradition of educational and cultural activity associated with this beautiful Connecticut Valley region. The University's campus in Amherst consists of approximately 950 acres of land and 110 buildings. These structures include classroom and laboratory facilities as well as dormitories and other units

To augment the Commonwealth's facilities at the university level, the University of Massachusetts in Boston will be opened in September, 1965. The new University will offer educational programs comparable in quality to those available on the campus in Amherst. Day sessions, late-afternoon classes, evening school as well as full summer sessions will be offered in the new program.

The total resources of the University of Massachusetts are dedicated to giving all qualified students full opportunities to develop their capabilities for service in a growing society.



#### Autumnal setting near the Student Union.



#### ADMISSION - - HOW TO GET READY

Applications for admission may be obtained by writing the Admission Office of the University. There is application for regional at the University of Massachusetts. High school seriors are advised to file their applications early in the senior year. Out-of-state and foreign applications were be received prior to February 1st, for fall admission. College Board tests should be taken no later than the January esting date. If they are to be considered during the normal processing, in-state applications should be received by Morte 1st. Therefore, they may be considered only as avacancies out. Qualified applicants are admitted at the beginning of the fall and spring semesters and at the beginning of the summer session.

All applicants for admission, except vectrams, must take the Senior Scholattic Apristed Fest given by the College Entrance Examination Board. In addition, the University requires three College Board Achievement tests, including English Composition of every applicant whose scholastic record in grades by through 11 contains four or more grades below the college recommending mark of his high school. All purguishast sudents and est-of-states students are also required to submit these three Achievement tests. All College Board Testing Center. The applicant binned most notify the Board that the wishes his scores such to the University from the College Board Testing Center. The applicant binned most notify the Board that the wishes his scores such to the University of admission should. The Solutistic Aptitude Test may be taken on any of the scholated dates, although the December testing date is preferred. May date is too late for senion, but is appropriate for juniors taking the test for guidance purposes.

An autobiographical letter must be submitted with the application. The University recognizes the importance of a first-hand acquaintrance with the colleges a student may be considering, and hopes that the will find it possible to visit the campus for his own information and satisfaction. He should be assured, however, that it will not disadvantage his application if he is mable to do so. The University holds several Guest Days for high school seniors in the fall. These are particularly appropriate times to visit to campus and high schools are notified concerning them. An interview is, housever, not part of the admissions that for interview are producted. It is physically impossible for the admissions that for interview all applicances, therefore, personal conferences will be scheduled only if the candidate or his guidance counselor has a question which cannot be readily resolved by correspondence. If it some necessary to schedule an admissions counseling conference, it would be productify the applicance to make certain that his application and academic required for the applicance of the certain that his application and academic required for the applicance to make certain that his application and academic

records have been received by the Admissions Office prior to his visit so that his situation may be discussed intelligently.

In most cases applicants will be nortfied by letter during April of the action taken on their applications. Applicants who present strong scademic records, enthusiastic school recommendations, and satisfactory College Board scores will receive earlier nortfication. This early nortfication should reassure the well-qualified applicant regarding college entrantee and enable the student who has elected the University as his choice of college to settle his plans. Applicants accepted in aggard to their choice of college from the control of the property of the control of the control of the college from the Candidates Reply Date. In thus way the burden of multiple applications on high school guidance counselors and college admissions officers may be lessened.

#### High Ranking High School Juniors

Applicants who have completed with very high academic standing work through the injuncy arm may be admitted to the University for the semester following the junior year. Such applicants must take the Scholastic Aptitude and three achievement rests given by the College Board in May of the junior year and make scores satisfactory to the University. They must be highly recommended by their high school principal. The maturity and social adjustment of the applicant will be considered along with his intellectual development. Such applicants should apply before the end of the nunor year.

#### Veterans

Vereans are not required to take the Scholastic Aptitude test. Instead, they must take ruttance examinations in Algebra and English and a College Qualification test. These are administered by the University Testing Service in December, May and August. Information in regard to these tests while farmshold the verean at the time he files his application for admissions. Ser month Active Dary for Training students are not considered vertice. They must take the College Board Scholastic Aptitude test rather than the Vertran's Examinations. Vertrans in college or in full time postgraves studies at present are considered the same category as other applicants and do not rake the Vertran's Examination.

#### Bachelor of Vocational Agriculture Degree

Superior graduates of vocational schools of agriculture in Massachusetts and vocational agricultural departments in Massachusetts high schools may be accepted for the Degree of Bachelor of Vocational Agriculture, provided:

They are unqualifiedly recommended by the Vocational Division of the Department of Education as bona fide Vocational Graduates with superior ranks; they can present at least 16 units of certified netraceriedits, approved as to quality and quantity by the State Department of Vocational Education; they successfully pass the English and College Qualification Test administered by the University Guidance Olice. Those who have had algebra will be required to include the algebra examination.

#### Transfers

A limited number of transfers from approved colleges may be admitted, Since applicants for such transfer exceed the number that can be accepted, they are placed on a competitive basis. Ratings will be based upon high school and college records and on the College Board Scholastic Aptitude Test, which is required of all transfers. Any sundeare who has been previously enrolled in a college is considered a transfer and must file a transfer application form. Applicants for transfer should write the Registrar for a transfer application. At least 45 smester credits taken in residence at the University are required of all transfers who are candidates for the Bachclor's Degree.

#### SUBJECT REQUIREMENTS

The subjects of preparatory study required for admission call for the satisfactory completion of a four-year high school course or its equivalent and are stared in terms of units. A unit is the equivalent of at least four recitations a week for a school year. High school graduation alone is not sufficient. The applicant's record must indicate capacity for handling the quality of scholastic work which the University has established as its standard of achievement.

Sixteen units of secondary school work must be offered, selected according to the following requirements:

to the following requirements:		
College Preparatory Mathematics		3
English		4
Foreign Language (2 years of 1 language)		1
U. S. History		1
Laboratory Science		1

The remaining units are elective and may be selected from the following subject matter:

- a. Mathematics
- b. Science
- c. Foreign Language d. History and Social Studies
- e. Free electives (not more than four units)
- e. The electres (not more than four units)

\*Preferably two years of Algebra and one of Plane Geometry.

Free elective subjects are those not included in groups a-d, as for example: Music, art, drawing, typewriting, aeronautics, agriculture, home economics, etc. Such free electives are allowed in order that the student who wishes may have some opportunity to elect other high school offerings, while at the same time covering the fundamental reconstructions for college work.

Students planning to major in the physical sciences and mathematics should, if possible, offer two years of algebra, one of plane geometry, and one-half year of trigonometry. Analytical or solid geometry, chemistry, and physics, and an introduction to analytical geometry and calculus are also strongly recommended.

Students planning to pursue an engineering curriculum should offer two years of algebra, one of plane geometry, and one-half year each of trigonometry and solid geometry. Chemistry and physics are also advised. Those deficient in the mathematics should plan to cover it during the summer prior to entrance or expect to take five years to complete the college course.

Candidates who are deficient in any of the prescribed courses can be considered only if their over-all scholastic records indicate exceptional academic promise.

#### PHYSICAL EXAMINATION

Physical examination by their personal physician is required of all entering freshmen, re-enering students and all students participating in arthetics. Physical report forms for this examination will be mailed to each student with the bill for the first semister and must be completed and returned to the University Health Service 10 days before the opening of the semsester. Evidence of a meetiful smallpox vaccination and active tetanus immunization are required.

#### VETERANS' AFFAIRS

The Veterans' Coordinator is a staff member of the Placement and Financial Aid Services. All veterans affairs should clear through the Placement and Financial Aid Services.

Veterans and eligible dependents of veterans who are entering the University for the first time must present a Certificate of Eligibility at registration. This may be obtained from your nearest Veterans Administration office. Board and room fees must be paid in advance whether the veteran is enrolled under the G.1. Bill or not.

Vecterans who are transferring to the University of Massachusetrs from another institution or who have done summer work at another institution will be required to submit a supplemental Certificate of Eligibility at registeration. This may be obtained by applying through the veterans' office at the institution last attended.

#### WHAT IT COSTS TO ATTEND

Expenses vary from approximately \$1,250 to \$1,400 per year for the normally economical student. First year costs are usually greater than those of the other three years and there is less opportunity for carnings. Therefore, a student is advised to have a definite plan for meeting the expenses of the first year before entering.

The following estimate of a year's expenses, based chiefly upon last year's costs, includes only those items which are strictly college and does not include amounts for clothing, laundry, travel, etc. These costs vary slightly from year to year. Tuition for residents of Massachusetts is \$200 per year and for others. \$600

	Normal
Tuition (citizens of Massachusetts)	\$ 200.00
Room in college residence hall or private home (approx.)	300.00
Board at college dining halls	448.00*
Athletic Fee	30.00
Student Union Fcc	20.00
Student Activity Tax (approx.)	28.00
Student Health Services Fee	40.00
Student Medical Surgical Insurance,	
12 months' coverage (optional) .	18.00
Books, stationery, and other supplies (estimate)	150.00
	\$1,234.00

#### INITIAL PAYMENT FOR FRESHMEN

The initial payment for first semester expenses required of freshmen at the time of fall registration is indicated below and is made up of the following

tems:			
Tuition (citizens of Massachusetts)		\$	100.00
Room rent in college residence halls (approx.)			150.00
Board at college dining halls			224.00
Athletic Fee			15.00
Student Union Fee			10.00
Student Activity Tax (approx.)			14.00
Student Health Services Fee			20.00
Student Medical/Surgical Insurance,			
12 months' coverage (optional)			18.00
Physical Education Equipment Fee (men only)			10.00
Books, stationery, and other supplies			100.00
		S	661.00

These are only approximate figures. A bill will be rendered to the parent of each student prior to the beginning of the semester.

#### TUITION

As a state institution the University of Massachusetts offers a low rate of tuition to all students entering from the Commonwealth. Eligibility for admission under the low residential rate is determined in accordance with the following policy established by the Board of Trustees.

A student must present evidence satisfactory to the Treasurer of the University that his domicile is in the Commonwealth of Massachusetts in order to be considered eligible to reguere in the University as a resident student. This means that he must have established a "bona fide" residence in the Commonwealth with the intention of continuing to maintain it as such.

The domicile of a minor shall follow that of the parents unless such minor has been emacipated. In ease of emacipation the student, in addition to the requirements of these regulations, respecting residence, shall present establishment of respecting emacipation. Minors under guardanship shall be required to present, in addition to the certification of the domicile of the guardans, sanistactory documentary evidence of the approximation assistance of the guardans. No student shall be considered to have guardar residence by reason of this attendance in the University nor shall as student lose residential preference during his continuous attendance are the University. The residence of a soft shall follow that of the husband.

The prescribed form of application for classification as to residence satus must be executed by each student. Misrepresentation of facts in order to evade the payment of out-of-state tuition shall be considered sufficient cause for suspension or permanent exclusion from the University. Discretion to adjust individual cases within the spirit of their rules is lodged with the Presedent of the University. Seedines receiving execut by special examination must pay \$5.00 pet credit to be received before the examination may be taken.

#### ROOM AND BOARD

The University provides accommodations in residence halls for a large multer of its students. Freshmen, sophomores and juniors, onless 21 years of age, are required to live in University residence halls unless excused by the Dean's office. All freshmen, tophomores and juniors residing in University residence halls will be required to board at University drining halls, except that such students who are members of fracturities or sorroities may be permitted to board at their exembles of fracturities or sorroities may be permitted by the control of their exemption of the control of the c

#### SUMMER ORIENTATION FEE

Members of the incoming freshman class attending the summer orientation program will pay a non-refundable fee of \$15.00 to cover the cost of meals, housing, testing and counseling.

<sup>\*</sup>Above plan for 7 days, 5-day plan available for approximately \$370.00 per year or \$185.00

#### PAYMENT DUE DATES

In accordance with University policy, all charges for tuition, fees, board and one nent in University dormitories are due and payable twenty-one days prior to the date of registration of each semester. Bils will be rendered in advance and payment may best be made by mail. Students may not register until all University charges are paid.

#### A WORD ABOUT FINANCIAL AID

Scholarships, Ioans, and pare-time employment are available for a limited number of needy and deserving students. A limited number of such grants are available to entering freshmen who have made outstanding records in high school. Applicants for scholarships must file the Parent's Confidential Statement prepared by the College Scholarship Service when the Admissions Application is sent, or no later than March lat of the admissions yaziable stratements of the American Statement of the American Confidence of the American Students may also apply for certain kinds of lonas, including those available under the National Defense Student Loan Program, University loans (after the first sensers of the freshman year), and the Higher Education Loan Plan (at the end of the freshman year). Also, students may engage in parent time work after the completion of the first sensers of their freshman year Information about each of these programs may be obtained by writing to the Director of Placement and Financial Aid Services. Vecterans or dependent of vecterans who are eligible for benefits may also apply to this office for information.

#### A PLACE TO LIVE, TO WORK, TO LEARN

HOW can I make the most of my college carea? Every scudent asks this question until the student is actually in college where teachers and advisers help him to decide on the major course of study he should pursue. Often, of course, a student has already made a decision about his "major," and if the decide on is based on a sound assessment of apritudes and abilities, this is all to the good.

But even for students who are sure about what they want to "take" in college, the question is still every important. The danger in approaching college work lies in the assumption that this is, as with many other activiites, "just a routine." As a seculate reads the general catalogue, he finds rules, regulations, requirements, and prescribed courses of study. All these requirements are considered to the control of the control of getting enough receibt to readular.

For many students this is certainly true. But for the wise student, the word "outure" is supplanted by the word "advanture." The rules, regulations and requirements are not thereby eliminated, for every college must have the means of order and stability by which to achieve basic objectives. But the good student recognizes that he need not work merely to satisfy minimal requirements: he can do mach more. If he learns early that thought is not locked within the four walls of a classroom, if he is alive with interest, if he realizes that his four years in college will be the best he will ever have for stocking his mind and exercising his mingaination, then is "persur-led clear and ideas that only he himself countries" of knowledge and the student of knowledge and the stability of the student of the order and ideas that only he himself countries.

The following paragraphs, therefore, are simply intended to show what the University can offer a student, what it requires of him, and what he must do to fulfill these minimal obligations. Beyond these basic offerings and requirements lies the real adventure—the adventure in learning.

#### A YEAR-ROUND OPERATION

The University conducts its program on virtually a year-round bals; a free regular two senseturs of the scalenic schedule are supplemented by two-term summer session in which a student can earn nearly the equivalent of a full sensets; work. Combining the work of the regular academic year with a complete schedule of courses in the summer sessions, students can faish their college careers in three years instead of four. The summer session is open to all freshmen who wish to begin their college education immediately following graduation from high school. It is also available to high school juniors who are accepted for study at the University under the Early Admission Plan (see Eelow under Porgam for Superior Students).

#### THE ACADEMIC PROGRAM

The University consists of two main divisions, the four-year undergraduate curriculum and the Graduate School. Instruction in the undergraduate program is assigned to the College of Arrs and Sciences, the College of Agriculture, the Schools of Bussiess Administration, Educacion, Engineering, Home Economics, Nursing, and Physical Educacion, and the Department of Public Health. A qualified student may near any one of these units and

work toward the appropriate bachelor's degree, as described on Page II.

The total program is built around a core of studies designed to provide a sound general background. Beyond this, the student elects a program within a particular branch of learning in order to prepare for advanced study in that field or for a career in one of the professions. Offerings in the various branches range from accounting to zoology, and a studient electrical major course of study has opportunities for a comprehensive education in the four-year program. Descriptions of the courses of study offered in each of the undergraduate branches can be found in the section beginning on Page I2.

#### THE PRELIMINARIES, FRESHMAN ORIENTATION

All students entering as freshmen must attend a two-and-s-half-day orientation program as a specified time during the summer prior to entralize. The program consists of testing, counciling, and pre-registration for course to be taken diring the coming smeerer. Guidance and placement rests are given and scored, and each student is assigned a faculty adviser who will help in the selection of courses and planning of a class schedule. On the final day of each of these periods, a special program is held for parents so that they may learn about the student's proposed courses and schedules that fill semester, the results of the testing sessions, and the facilities and opportunities available at the University.

#### GENERAL UNIVERSITY SERVICES

The University is a community of individuals working toward a common goal—the acquisition and dissemination of knowledge. As a community, therefore, the institution has all of the adjunct resources needed to further that goal and to provide for the general well-being of the community's members.

Thus, the University maintrans an extensive library system, both through the University Library and the 30 departmental and laboratory thraness. In addition, the University library is a participating member in the Hampshire InterLabrary Center, boused at the University and containing journal, documents and reference sets for use in study and research. The Center is obtained to the contained of the control of

Concerned as it is with the need for spiritual undergradings for the clusted man, the University gives support to the religious life of its students in avarious ways. It affords the use of facilities for student groups of all faiths, and it honors the work of the Campus Religious Connel which provides a cooperative interrelationship among religious groups. Chaplains are signed to campus by the various faiths, and students are urged to meet with their own chaplain upon coming to the campus.

The University's Health Service, housed in one of the newest buildings on campus, is concerned with the total health of individuals and groups, as reflected in the need for complete physical, mental and social well-being. The new infirming vortains a fallyle-guippel out-prient department, X-ray and Jaboratory resources, and physiotherapy facilities. The Health Service said of physicals, rechaincains and naries is devoted to promoting good physical and mental health, conditions of safety, and other factors affecting the health of students in the campus community. In addition, the University maintains a Speech and Hearing Center to assist students and others with speech and hearing problems.

#### GRADING SYSTEM

Enrollment in and graduation from the University involve both quality and quantity of work. The quantity of work is measured by the credits obtained by successful completion of courses. The quality of work is measured by grades. Each grade in equared with a quality point as noted below. The quality by the Farally Sentre. At present the graduation requirement is a completive view range of 1.80.

Grades are reported according to a letter system, as follows: A—Exceller, and Inc—Incomplete. Quality points per senseter hour are assigned as follows: A, 4B, 3C, 2D, 1D, 1 and P. O. To compact the senseter fraide point average, as well as the cumulative average, the total points carned are divided by the total credits carried. Any student whose sensetive quality point average falls below the cumulative requirements to outsted of a student who also the compact of the

#### ADVISORY SYSTEM

In order that, from the day he enrolls, the freshman may have someone to whom he may go for consultation and assistance, each student selects a tentative educational objective and is assigned a faculty adviser within that academic target.

In the second sensester of the freshman year, each student is given an opportunity to change to a new department or to remain in his current department. In succeeding sensesters, students may change to another major department by execution of a Major Change Can (Vasailable in the Registrar's Office). It is the function of this adviser to help the student in adjusting himself to the work and life of the University. Academic progress reports issued by the Registrar's Office are sent to the advisors periodically, and the students are expected to report to their advisers from unit to time to date.

their academic standing. The University also forwards reports of academic standing to the parents. Both students and parents are encouraged to consult with the adviser whenever there are problems regarding studies or personal adjustments to college life.

#### PROGRAMS FOR SUPERIOR STUDENTS

The University regularly provides superior students with challenging colucational programs extending from the freshman through the senior year. Under the Early Admission Plan, the University considers applications from students of high standing who have completed their juntor year of secondary school.

Many entering students are able to achieve advanced standing and credit for college-level course successfully completed in their secondary schools as part of the College Entrance Examination Board Advanced Placement Program or an equivalent. The University abo administers a number of its own advanced placement tests. A student who demonstrates he is proficient in a basic college subject may bypass the legitiming course and go on to advanced work in the subject. Upon artisting settifactory standing in physicals. Also, up to thirty semaster hours of credit may be granted students of high standing who can fulfill the requirements of some of their courses through independent study.

The major feature of the program for superior students is the honors curriculum available to all who qualify. Freshmen are eligible for the Honors Colloquium program conducted for the first three undergraduate

The Senior Honors Program recognizes merit and gives highly qualified students time and opportunity for independent study under closer, more personal direction than is ordinarily provided in the University curriculum. Students who complete their work satisfactorily are eligible for graduation with honors:

#### STUDENT HOUSING

It is the policy of the Board of Trustees that all men and women undergaduate students shall be housed in campus dormitories and be required to eat at University dining halls unless given permission to commute from their parents' home or to live at sorrivity or fracturity houses. University board is optional for seniors and is available on a cash basis. Sorrorites and fratemtics may frimish regular board to members up to the approved capacity for each house. Students who are assigned to housing operated by the University are expected to remain for the caderine year and may not be cleased source except as their places are taken by suitable subject of the property of the property of the control of the property of the property

Most dormitory rooms are double and are furnished with beds, mattresses,

desks, chairs, and a chest of drawers. Students care for their own rooms and are responsible for any damage. Domintories open for occupancy on the day immediately preceding the opening of the University. All student property must be removed from the rooms and the key turned in immediately after final examinations in June. Such property not removed by the owner, will assigned to deministry rooms will be responsible for the room rent of the entire semester. Room rent is not refundable. Room rental charges do not include the several regular school of yearton periods. The University reserves the right to utilize student rooms during waterions for conferences and other groups which meter occasionally no the campus.

#### APARTMENTS FOR MARRIED STUDENTS

The University owns and operates two groups of apartments: Lincoln Apartments of jumof faculty, married graduate and undergraduate students, and the County Circle apartments for married graduate and undergraduate students. Apartments are unfurnished with the exception of kitchen units which common an electric range and refrigerator. Apartments are assigned as of date of availability. New jumoir faculty, married graduate students on the properties of the prop

#### AUTOMOBILES

Only members of the senior class, students 21 years or over, and commuters are permitted to have automobiles or other types of automotive equipment on the campas or in the Town of Amberta. Vehicles must be registered with the Campas Police. Driving to and from classes is not permitted, the control of the

#### STUDENT ORGANIZATIONS

Participation in extra-curricular activities offers opportunities for furthering the broader objectives of a college experience. The knowledge, skills and judgment developed in the classroom can be tested and refined through use in the organizational setting. Thus, more than fifty professional clubs exist on campus as a means of stimulating worational interest through close contact with members of the teaching saff and representatives of the properties of the properties of the control of the properties of the control of the properties of the control of the properties to the control of the properties of the properties

Such activities can be a profitable means of fostering maturity and general enrichment in those students who wish to take optimm advantage of all that the University can offer. In encouraging participation in these activities, the University asks only that setudents plant their time well, in order that they may profit as much as possible from a total University program devoted, first and foremost, to academic studies.

All extra-curricular activities are supervised by the Committee on Recognical Student Organizations composed of alumni, facility, and students. Recognition for outstanding achievement in this area is given at an annual student Lealers Highlight held in the spring. An office devoted to administering and assisting in the conduct of student activities is located in the Student by contacting the Recognized Student Organizations Adviser.

#### INTERCOLLEGIATE AND INTRAMURAL ATHLETICS

The University maintains well-organized intercollegiate and intramural sports programs. In intercollegiate athletics, the University is represented by teams in all the leading sports, including for shall, soccer, cross-country, basketball, swimming, wrestling, indoor and outdoor track, hockey, rifle and pistol, baseball, tennis, egolf, lacrosse, eymnastics, skilm.

The University also supports a broad program of intramural activities, in which all students are encouraged to participate. The range of sports available each year includes the team sports of touch football, baskerball, softball, volleyball. Individual activities include tennis, bowling, badmitton, golf, tennis, swimmine, and Jacross.

#### PLACEMENT SERVICES

The University maintains an Office of Placement and Financial Aid Services whose responsibilities include vocational and financial counseling and the administration of the affairs involved in adding students to seek appropriate positions and careers, the granting of Jonas and scholarships, the assignment of part-time work; the coordination of veterans' affairs; and the dissemination of information relative to miliarry service through the draft or reserves. While providing vocational and career commelting for all undergraduates, the emphasis is on aid to sention in planning therinques and other model for finding permanent employers. Actual contact with emphasis is and other model for finding permanent employers. Actual contact with employers is provided during the year when employers from business, indiscreptions of the properties of the properties of the planting during the planting that the campia to interview prospective

Compilative student personnel records; occupational information and industrial literature libraries, preparation of credentials including personal resumes and recommendations coupled with counseling and guidance are provided to enable senior men and women to accomplish their career objectives consistent with their innerests, abilities, activates and education.

#### THE PROGRAM AND ITS OPPORTUNITIES

The University offers four-year undergraduate curricula leading to the following degrees: Buelshor of Science, Bischlor of Arts, Buelshor of Science in Chemical, Civil, Electrical, Industrial and Mechanical Engineering, and Buelshor of Bismiss Administration. Work toward these degrees is carried on in the College of Arts and Sciences, the College of Agriculture, the Schools of Busness Administration, Education, Engineering, Home Economics, Nursing, and Physical Education, and the Department of Public Health. Special arrangements are made for some graduates of county agricultural schools and of agricultural departments of certain high schools to complete the college course with majors in agricultura and horticulture. Upon completion of their course, these sendents are examed the degree of Baschool of Vocational Agriculture.

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The aim of the four-year course is to give the student as high a degree of proficiency in a particular branch of learning as as possible without sacrificing the breadth, knowledge and general training which should characterize a well-rounded college clearlier. Under this philosophy, the University has made recognized contributions, through its graduates, to the hie and clutter of America. University almain hold positions in government, education, business, science and engineering, the arts, medicine, law, and many other professions. With rising enrollments, the University is clucating ever greater numbers of young men and women for significant carters and important contributions to American source;

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The following pages are designed to give some indication of the variety of such opportunities open to students who are accepted for admission. Doscriptions of curricula are given in brief and general terms so that prospective applicants may become questly acquainted with the entire range of offerings. Graduation requirements for each curriculum have been omitted, principally because a student admitted to the Unit-versity will have aimple opportunity to acquant humself with such requirements after the has arrived on empose. Government sequently and experiments of the has arrived on empose of the properties of the contract of the properties of the properties of the properties of the properties of the student of study may be obtained from the Denns of the Colleges and Schools or from the Registrar. Information about other aspects of the University program may be obtained from the appropriate offices listed on Page 32.



## COLLEGE OF ARTS AND SCIENCES



#### I. Moyer Hunsberger, Dean Robert W. Wagner, Associate Dean Bartlett Hall

The Callege of Arts and Sciences offers instruction in the fine arts, the humanines, the scale cliences, the natured sciences, and enablematice but for students enrolled in the Callege and for those in other undergraduate divisions of the University. The program provides for the breadth of intel-fectual development essential to a liberal education and for concentration which is the necessary foundation for competence in a selected discipline.

The Bachlear of Arts degree may be seemed by students majoring in any

division of the Callege. The Bachelar of Science degree may be earned by students in the natural sciences, mathematics, or psychology.

The following major courses of study are available in the Callege:

ART. The Department of Art is interested in providing two kinds of training: first, to give each student a good general historical and aesthetic knowledge of the arts; secand, ta give each student an appartunity ta develap his creative ability in the several media of the arts.

ASTRONOMY. A Department of Astronomy conducted jointly with Amherst, Mount Holyoke, and Smith Colleges provides instruction in this field. 'All advanced courses are given an a joint basis for students from the four participating institutions.

BOTANY. Pragrams in botany prepare students far teaching and research in biological sciences in high schools, universities, industry, and experimental stations.

CHEMISTRY. The prime purpose of the Department of Chemistry is to affect sound preparation for graduate study in chemistry. Accordingly, amount preparation for graduate study in chemistry. Accordingly, amount is in placed upon intellectual accomplishment and broad understanding rather than on terminal training for specific dhemical tasks. The program design for this purpose also affords sound preparation for direct entry into chemical task.

ECONOMICS. In economics the aims are twofold: (1) to give the student an understanding of economic theory and of the application of economic principles to the organization of society (21 to provide students with the elementary training necessary for further study and solution of economic and business problems.

ENGUSH. The major in English offards the student apportunities to improve the following the student apportunities to improve the following the students of the

GEOLOGY. For students considering geology as a career, the appartunities are many. Thase interested primarily in basic science may look to positions in teaching, in museum work, on state and federal surveys, and in various research organizations. Those concerned mainly with applied science may direct fleir efforts toward work in mining geology, and industrial mineralogy. GERMAN. The converse in German or intended to give a practical knowlededge of the language for the purpose of wider reading, research, and oral communication.

GOVENNENT. The course offered by the Department of Government are designed to old the student in gaining a knowledge of the nature, functions, and problems of government, and of the place of government in the modern world. Politick theory, constitutional law, internetional relations, comparative government, politics and public administration are the principal areas consents.

INSTORY. Courses in history are designed to provide an understanding of man through a study of patterns of development in the past. The study should also give the subdent an introduction to major profiles in world offacts. JOURNAISM. The journalism program is concerned with (1) the study of writing and of communication problems relevant to the media of mass communication, and (2) the best utilization of the University's liberal education research, public relations, magazine and radio journalism, or some other field of communication.

MATHEMATICS. The department offers courses designed to furnish a cultural background as well as a foundation for both undergraduate and graduate work in mathematics, statistics, physics, chemistry, engineering, econometrics, and biometrics.

MICROBIOLOGY. The courses in microbiology are designed to aid the student in acquiring special knowledge of the nature and function of the micro-organisms and to provide an appreciation of the role of experimental biological science in widening man's borizons.

MUSIC. The undergraduate major program in music is pre-professional, so that courses, music organizations, and private study are the means used to prepare each student. Other undergraduates may minor in music, or follow a sequence of courses for continuing study.

PHILOSOPHY. Philosophy seeks a comprehensive understanding of the various areas of man's experience in their interrelatedness. In the contest of the historically important theories, the courses concentrate on methods of inquiry into the persisting questions of philosophy, standards of thought, clarification of ethical and cesthict values, and the basis of critical.

PHYSICS. Courses are designed to accommodate students who desire specialized training in physics, and also to provide required or elected courses for students majoring in engineering, mathematics, chemistry, or other fields.

PRE-MEDICAL AND PRE-DENTIAL CURRICULUM. Pre-medical and pre-dental subdenship on signage to faculty of divisors for their freshman year. At the subdenship on signage to faculty of divisors for their freshman year. At the of their second semester, they will be casigned to a member of the Uppercloss Committee who will be their odivisor for the reminder of the course of study. Pre-veterinary students may register in the College of Agriculture or College of Arts and Science.

of ART and Science.

of ART and Science is the Psychology Department are planned (1) to import our understanding of the best principles, methods and data of psychology as a science and the application of this knowledge to problems of human deplanness; (2) to prepare some mejors for pradoutes tadly which may lead to a professional corear in psychology; and (3) to help prepare offers for non-professional corears. In carrying of these size of the properties of the control of the contr

RUSSIAN. Students choosing Russian as their field of major concentration will receive training in reading, writing, speaking and understanding the language, and a knowledge of Russian literature. Russian majors will also acquire the background in Russian history, government and economy necessary for an understanding of the literature and culture of the Russian people.

SCIOLOGY AND ANTHROPOLOGY. Students may major either in Sociology or Anthropology. Courses are planned with two disms in views to give the student on understanding of the factors which influence men in their activities and interests on members of society, and to help prepare students for a wide veriety of accupational outlets, including social work.

for a ware venery of underworked and the second may be earned by completing SPECH. An under of course work in the department of through one of the entry the current of English and philosophy. Psychology 26 should be elected on a boak requirement. The shortent must select on orea of concentration (1) Shortic and Public Address, (2) Interpretation and Theotre, (3) Rodio and Television, (4) Speech Education, (6) Speech and Herring Theropy.

and television, (4) speech could not provide the course are designed for those who are preparing for graduate work in statistics or for those who require statistics as a basic preparation for their own subject-matter discipline.

ZOOLOGY. The courses in zoology have two major aims; (1) to offer students on opportunity to develop on understanding and appreciation of the scientific method as a part of a liberal education; and (2) to provide training for prospective graduate students in biology, medicine, dentistry, and related fields, as well as future teachers and laboratory technicians in the biological sciences.



The College of Agriculture affers a broad general education with specific training in a specialized area. Upon the completion of the requirements for the Bochlear of Science degree, the student will have devoted about an equarter of his time to pure science, one-quarter to social and humanistic attacles, and seature and-helf to applical science and telemology. A broad trades, and seature and-helf to applical science and telemology. A broad business, deductions, conservation, vertices. Each department of the College has specific requirements for graduation which are included in the General Cortlago under the name of the department. During the first sensets of the freshman year, students interested in teaching vocational agriculture, extension work, or specializing in research work, should consult with the

head of the department in which they plan to major.
For those students interested in a two-year program in food and agricultural industries, the University provides offerings in the Stockbridge School. A separate bulletin describes these offerings in detail.

The four-year courses of study available in the College of Agriculture include the following:

AGRICALIVEAL AND FOOD ECONOMICS. This curriculum is designed [1] to proper students for employment in executive positions with firm tealness to agriculture or for administrative positions with agreemental operates to agriculture and [2] to give the essential undergraduated preparation for a correct in agricultural exonomics, in research, teaching, or extension work. The course of study, which leads to the degree of Bothelour of Science, combines training in technical agricultural sciences with courses in business management and exonomics.

AGRICUTURAL BNGINESRING. Agricultural engineering is occurred with the application of scientific engineering principles to agricultural industries. This professional field includes engineering activities related to the design, and evelopment and use of mechanical and electrical engineering suctivities related to the design, and water control systems for the production, processing and preservation of agricultural products and the improvement of result living. Agricultural engineers are employed by a variety of agricultural industries and organizations for research, development, teaching, and promotional activities.

Shown above, on left, is Stockbridge Hall, center of activities in College of Agriculture.

On right, research in animal science. Lower panel pictures modern laboratory facilities in the College of Agriculture: equipment for chemical freatment of wood (Forestry); work in oas chromatography (Food Science); and laboratory in foods research.





## ACRICIALIA







ANMAL SCIENCES. The curriculum in the animal sciences, including poultry, is designed to provide fundamental training and knowledge in the comperative nutrition, physiology, breeding, selection and management of various classes of livesteck and to understand the role of animal production in the notional and world excensory. The curriculum provides for an important degree of flexibility depending upon the suivolent's interests and abilities. Oppines emphasizing commercial animal production are supported by electives in agricultural excensories, agricultural engineering, and business administration. Suidents interested in graduate work in such specialized areas of the animal sciences as nutrition, physiology or genetic should elect programs with special emphasis on the basic sciences.

ENIOMOLOGY. Course is entomology acquaint students with all phases see for far least and insect control, as we did as beekeeping. Trailend entomology in fact and insect control, as we lead to be seekeeping. Trailend entomology in fact postulations in public service and industry, such as teaching at all levels present, quarantime and regulators where the service seekeeping and public services in public services and public replacements. The services were serviced and public replacements are approximately as the services are serviced as the serviced as the services are serviced as the services are serviced as the serviced as the services are serviced as the services are serviced as the serviced as the services are serviced as the serviced as the serviced as the serviced as the serviced as th

FOOD SCIENCE AND TECHNOLOGY. The corriculum in food Technology provides scientific and applied training in the principles concerned with the processing, preservation, and packaging of foods and food products. The student's background in chemistry, physics, and microbiology is applied to food schendogy problems and food analysis. Margin Feldos port to graduate indudes (1) technical and production work in the food industries; (2) quality control and analysiska work related to Food products; (3) querement food impetition and grading; (4) technological work and research in government, industries; (2) technological work and research in government, industries; (2) technological work and research in government, industries; (2) technological work and research in government,

FORESTRY. The technical curriculum in forestry is concentrated in the field of forest production and management, and leads to the degree of Bachelor of Science. It has professional status, being accredited by the Society of American Foresters. Graduates are prepared for employment with Federal and State agencies and in private industry.

LANDSCAPE ARCHITECTURE. Students following this curriculum, which requires 125 credits for graduation, are prepared through a broad academic approach to take up work in the various phases of landscape architecture. This applied design profession is concerned with the development of land for human use and enjoyment. In addition to the usual cares of interest, such as site planning for private, semi-public and public works of many types,

PARK MANAGEMENT. A new course of study for those planning a career in park management or administration. In addition to landscape design this program permits the student to elect widely from the biological and social sciences.

FIANT AND SOIL SCIENCE. The major in plant and toil science permits psecialization in many areas of agronomy, sell science, benticulture and plant pathology. Emphasis is on basic sciences that will prepare students for a wider variety of acroene in research, technology, leading to the science production, control and regulatory services with state and feature paracies. The major in plant science will be required to take a backcrare agreed on the science of the production of the production of the production of the plant science paracies. The majority is plant science will be required to take a backcrare agreed or substitute to the physical, biological, and social sciences as the science of the production of the production of the production of the physical of the production of the produc

PREVEIBINARY. Sudents may seroll in either the College of Arts and college of Arts and college of Agriculture. The two-year pre-verterinors, Sciences or in the College of Agriculture. The two-year pre-verterinors are the provided 64 senester credits and solifies the requirements of those verterinors are considered the largest number of Maximum and College with the past Departure from this curriculum necessitates to the past Departure from this curriculum necessitates are the college work in preparation Sudents who onligigate three or four years of college work in preparation for veterinory school should be unadded by the responsional configurations.

RESTAURANT AND HOTE MANAGEMENT. The curriculum in Restourcert and Hotel Management is offered by the Food Science and Technology Deportment. The program is designed to give the student a general well-rounded background of arist and sciences, coupled with training is subjects useful to the hotel, resturant, and other food service industries. The nature of the food service industry requires persons with broad, general backgrounds of business training coupled with a scientific knowledge of foods.

WILDIE AND FISHERES BOLOGY. Wildlife and fisheries biology is concerned with the acquiring and application of inowindage concerning terrestrial and aquatic animal populations which are of repressional or commercial value. This knowledge includes the dynamics of animal populations and their responses to changes in environmental conditions, including changes incurred by land use and direct exploitation by man. A broad undestrainding of polynow, freserve, soils, anofollutes observe, and zoology is required.

## H. B. Kirshen, Dean School of Business Administration Building

The School of Business Administration prepares students to take advantage of important economic appartuishings and eventually to assume positions of eventually to assume positions to assume positions. The School's educational program is directed toward the broad aspects of business, excuraging high standards of all plis traderds of all conduct, broad social responsibilities and the development of competence in particular courses in the particular courses and the development of competence in particular courses are supportiously courses.

The first two years emphosize general education by providing fundamental courses in the humaniles, mathematics, science and social eleane. In addition, basic courses in coccuming and economics prepare the student for further work in the School of Basiness Administration. The jeinois and serior years emphosize a greater degree of specialization and provides for this in the programs indicated above. Det even if these last two years all students need to view business as a whole in so fair as a "cost" of course and othis. This call the students of the stud

All students in the School of Business Administration must attain, as a graduation requirement, 2-0.2 overage in Accounting 25 and 26, Benemetry Scinomic Statistics 21, and the junior "core" coursess Finance 55, Financial Institutions, Finance 65, Corporation fanness; General Beisness 71, Business Low I; Management 61, Principles of Management; and Marketing 33, Principles of Marchiella, Tile "core" must be complicted by the end of the paincr year unless at shadent, on recommendation of his department datamon, and the statement of the programment of the programment of the contribution of the paincr year yeak course of the contribution of the department of the programment of the progra

Students transferring from any School or College within the University shall receive junior and senior elective credit only for those courses passed with a grade of C or better.

Students transferring from outside the University as juniors or seniors must complete a minimum of 12 credit hours in courses offered by his major Department.

Student transferring from junior or community colleges should complete two years of a program in the Liberal Arts including only the one year course in Accounting and in Economics.

Above is the recently completed School of Business Administration building.
Below, a class in computer techniques for husiness analyses.

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school of BUSINESS ADMINISTRATION



The School of Business Administration is a member of the American Association of Collegiate Schools of Business.

Major courses of study are available in the School of Business Administration as follows:

ACCOUNTING. The accounting program is designed to prepare students for public accounting and far positions as accountants in business, industry and appearance.

GENBAL BUSINESS AND FINANCE. The deportment has four major programe finance, Suniess Administrations and Economic, General Business, Central Francisco, General Business, Central Guitare, The curriculum in finance is directed towards the fields of branking, investment, brakezoge, insurance or governmental agencies concerned with finance. The curriculum in Business Administration and Economics comprehends o wider field to bolance or landwindstration and Economics comprehends o wider field to bolance or landwindstration and Economics comprehends on wider field to bolance or landwindstration and Evatures to the state of the s

MANAGEMENT. Industry and business after qualified students an appartuility for find careers in General Management, Production Management, and in Personel Management and Industrial Relations. Course programs are offered in each of these fields and provide the student both a special and a comprehensive understanding of the managerial process in industrial enterprises.

MARKETING. Students in marketing prepare for a variety of positions in whalesole and retail enterprises and in the sales activities of manufacturers. The pragram includes specialized study of basic types of market operations such as advertising, sales management and retailing.





Periodicals library in the School of Business Administration.

An advanced class in general business and financa.



#### Albert W. Purvis, Dean School of Education Building

The School of Education through its undergraduate program seeks to utilize the forces of the University to prepare leadners for elementary and secondary schools and through its graduates offering to prepare administrations and specialists in public education. Its program is based upon the assumption that teachers and other school personnel should have a forced liberal education, considerable mastery of all least one finds, and professional courses which should not be a many of the school of the professional courses which should not be a many of the school of the school

All students who contemplate teaching as a conver should register early, in their freshmen year of possible, with the School of Education although their freshmen year of possible, with the School of Education although their converses in education de not begin wall the junior year. In general, students can contained without question to the virolius service courses of the justice and contained without question to the virolius service converse of the justice and the service years, but admission to the teacher-forming program of the concentration of the service of the property of the concentration of the service of the property of the

EEMNTARY SCHOOL TEACHNIC. Condidates for this program mojor in elementary education. In certain cases, with the approved of the Deen of the School of Education, the student may be permitted to major in some department of the College of Arks and Sciences where the general education program is deemed the equivalent of that designed for elementary education program is deemed the equivalent of that designed for elementary education majors. This permission should be requested in frendman years. Such students will solidly the requirements of their major department so far as the first lowers are concerned but they should utilize their levelieves to take such courses as Government 25, Zoology 54, History 25, 26 and Art or Music which are recommended by the School of Education. They should take Education 9, 39, 59. The core program for elementary education majors inulating the control of the solid properties of the solid properties of the solid during Education 51 and 64, and Psychology 65 or them Economics 70, Music 85 and the Elementary Education Block should be taken in the junior and serior years.

SECONDARY SCHOOL TEACHING. All condidates for secondary school teaching will major in the subject field to be taught and minor in education. A maximum of eighteen hours should be taken in this minor. Education 51 and Psychology 56 are required during junior year and Education 52, 88, 85

Above, the new School of Education building. Below, a laboratory in remedial reading techniques.



# EDUCATION



(called the secondary block) in one semester of senior year. Since the concentrated senseter block in secondary aboth other-troining carriers below the vertex block in secondary aboth other-troining carriers where the vertex of the constraint of

SPECIAI RED PROGRAMS FOR PROSPECTIVE TRACHERS. In Vocational Agricibure (R. C. Jones, adviser). This program is based on a cooperative agreement between the University and the Vocational Division of the State Department of Education with provides supervisors and consultant in conducting the program. Students otherwise qualified may prepare to teach vocational agriculture by the cultificatory completion of Education 27, 27, 30, and 27.5. Education 27.2 is also recommended. To Essure a desirable range and visit in the Technology of the Computer of the Co

1Mr. McGarr is State Supervisor for Agricultural Teacher-Training representing the Vocational Division of the State Department of Education in the administration of vocational agricultural acts.

A vocational teacher-training certificate is awarded by the Vocational Division to those who fully qualify.

In Home Economics (Mrs. Morjorie Sullivan, adviser). These students will major in home economics and minor in education. They should elect Education 51, Psychology 56, Home Economics 81 and the concentrated semester black (Education 52, 85).

In Teacher Coaching (S. W. Kauffman, adviser). These students will mojor in physical education and minor in education. They should elect Psychology 56 and the concentrated semester black (Education 52, 88, 85). They should elect a minor teaching field from the College of Arts and Sciences consisting of a minimum of einheren bours.

In Music (D. Alviani, adviser). These students will major in music and minor in education. They should elect Education 51, Psychology 56, Music 87, and the correspond to master block (Education 52, 85).

Class in audio-visual methods







The department of Chemical Engineering, Crist Engineering, Mechanical Engineering and Electrical Engineering comprise the School of Engineering. Each department offen a curriculum leading to a Sochelor of Science degree in that particular branch. A curriculum in leadural Engineering is offered in the Mechanical Engineering department. All curricula are accredited by the Engineering Crist for Professional Development.

Engineering can be defined as the combination of science and art by which meterials and power are model useful to mankind. An engineer requires intensive technical training but at the same time he should acquire the broad education that distinguishes the professional man from the technician. His education does not end with formal schooling but continues throughout his life as he accommunities as practices.

The curricula in engineering have been carefully prepared to offer each student the apparentially to categure the sound retaining in mathematics and the basic sciences of chemistry and physics upon which is built the work in the engineering sciences. In the senior year courses are effered which enable the student to use his previous training for engineering cenelysis, design and engineering years in his pericular field of interest. About twenty per cent of his time is devented to studies in the social science and homenshic creec. Some opportunity is provided to elect courses from both the bethricked end

The curriculum of the freshman year is the same far all. Specialization to a limited extent begins in the sophamore year.

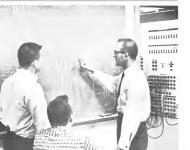
CHEMICAL ENGINEERING. Chemical Engineering is concerned with the development of mountesturing processes in which chemical or certain physical changes of ancients are involved. These are resolved into a coordinated series of an operational injuried changes in a development of the processes (sheeting development) and with processes (sheeting development) and processes (sheeting development) and processes (sheeting development) and plants in which these are applied. Chemistry, physics, and methorantics are the underlying sciences of ethenical engineering, and exponenties it is tasked in processing and exponential in the suite of ethenical engineering, and exponenties it is tasked in processing.

Checks between the control of the co

Above, the Main Engineering Building. Below, classroom'demanstration in electrical engineering.







CIVIL ENGINEERING. Civil engineering is concerned with structures, transportation, movement of fluids, use and storage of water, sanitation, and surveying and mapping. A civil engineer may be engaged in research, in planning and designing, in construction, or in maintenance and operation.

The curriolum gives or thorough training in the fundamental physical sciences and at the same time prepares a student for work in any branch of civil engineering, allowing him to specialize to some extent in whotever branch is most interesting to him-scanitation, mechanics and structures, hydroulics, foundation engineering, highway engineering.

ELECTRICAL ENGINEERING. Electrical engineering deals with the engineering applications of electricity. Because of its unusual amount of diversity, it is usually convenient to separate it into such main divisions as power, communications, electronics and control, and others.

The undergraduate curriculum is designed to prepare the student for work in any of these fields and to serve as a basis for further specialization. Courses in liberal arts and in engineering courses outside of the department give the student an understanding of the broader aspects of engineering and other fields.

MECHANICAL ENGINEERING. Mechanical engineering is that branch of the profession which, broadly speaking, covers the fields of heat, power, design of machinery, industrial management and manufacturing problems.

Building upon a foundation of mathematics, physics, and chemistry, the department of mechanical lengineering undertakes to skow the student how fundamental physical laws apply to this field and to give him thorough training in the basic phrielples to that particular application can be mastered in professional practice. Therefore, no ottempt is made to give highly specialized instruction.

INDUSTRIAL ENGINEERING. Industrial engineering is concerned with the engineering uspets of the organization, operations and management of concerned with the engineering outside of the management of consequently the industrial engineering curriculum is built on a doubtoil on freehondrial engineering. To the technical knowledge of the consequently the industrial engineering curriculum is a consequently the industrial engineering. To the technical knowledge of the consequence of the consequence of the consequence of the engineering is added the technical engineering outside the the study of engineering outside in the study of engineering outside in the technical engineering outside in the technical engineering is added to the study of engineering outside in the study of engineer

BRGHERBING SCIINCE OPTION. Engineering science is concurred with the application of the busic sciences to research and development in the engineering field. As such the curriculum contains extensive mothematics, physics, and other courses in the busic sciences designed to develop the subdent's skill in practice physical reasoning, analysis and synthesis. The student may elect the applian from one of the four major departments or the end of his suphemore year provided he has completed his freshman and caphanore years with a of 5.30 for the Very preceding semestre.

The freshman year is the same for all students and the sophomore year corresponds to that major department in which the student is enralled.



Studying techniques in chemical engineering-



Class in structural design in the School of Engineering.







Marian A. Niederpruem, Dean Skinner Hall

Home Economics encompasses areas of study which apply the principles and concepts of fundamental arts and sciences to the physiological, psychological, social, and economic environmental needs of man.

The School of Home Economics has five subject matter areas (departments), namely, Food and Nutrition (FN); Fatilles, Clothing and Environmental Arts (TCEA). Management and Family Economics (MFE), Human Development (HD); and Home Economics Education (HEEA). The letters in parenthesis are area codes. Within these five areas the following undergraduate majors areas foods:

DIFFETICS AND INSTITUTIONAL ADMINISTRATION

FOODS IN BUSINESS

FASHION MERCHANDISING

HOME MANAGEMENT (Sept. 1965) CHILD DEVELOPMENT

SECONDARY EDUCATION AND EXTENSION

The undergraduote program of the School, leading to a Bachelor of Science dagree, emphasizes of liberal education in the sciences, arts and humanities the sciences and such unmanities that the science is a science of the science of

Professional home economists are college and university aroduotes with botherlar degrees in Home Economist. They serve individuals, families, and botherlar degrees in Home Economist. They serve individuals, families, and communities through schools and colleges, extension programs, business arraganizations of many idea of lover the world, community and government organizations and ageriesis, newspapers, megazines, radio and teleplate for Representative special confidence of the service of schildren and the service of schildren individual teaching, research, writing, dieletic, extension work, interior description, produced the service and product development. Experience and advanced study in creas of specialization lead of the positions of advanced study in creas of specialization lead to positions of advanced study in creas of specialization lead to positions of advanced responsibility.

#### Food and Nutrition

Food and Nutrition curricula provide courses in Food and Nutrition combined with a strong foundation in the Arts and Sciences with two majors: Dietetics and Institutional Administration; and Foods in Business.

Above, Skinner Hall, which houses School of Home Economics. Below, left, students learn to use television to extend tood and nutrition information to consumers; learning experience for student majoring in nursery school education. On right, students in faithin merchandising prepare for careers in business.

DIETEICS AND INSTITUTIONAL ADMINISTRATION. This corriculum prepares the student for positions as therapeutic and administrative diefitians; teaching and research dietitians and nutritionists with public and private agencies. An increasing number of new opportunities continually challenge reductor is this major.

The sequence offers opportunities for further work at the graduote level. This program is planned to meet the basic requirements of the American Dietelic Association for admission to approved dietelic internships.

FOODS IN BUSINESS. This corriculum is based on professional training in Food and Nutrition combined with other selected courses in thome Economic, the humaniles, Western cultures, social sciences and business. The program is designed for the student who is criticated to the business world, and leads directly into development and promotion with food, equipment and utility industries. Positions are open in the field of communications for the student who combines her involvedge of Food, Nutrition and Equipment with Journollin, fighth, Speech, Uterlains and Radio. Graduates with a major in this sequence one also placed in advertibing and public relations against the sequence one also placed in advertibing and public relations against the sequence one also placed in advertibing and public relations against the sequence one also placed in advertibing and public relations against the convolution of the public places.

#### Textiles, Clothing and Environmental Arts

FASHION MERCHANOISINO. The retailing and prefessional opportunities associated with foothing, teatiles, hower furnishings and related methodnesis are limitiess. They include positions with mounfocturers, producers, retailiers, buying organizations, newspapers and magazines, ratiols and TV and public producers, and the producers of the providing professional business competency located fundamentals of clothing, teatiles, fashion and environmental of that one providing professional business competency located fundamentals of clothing, teatiles, fashion and environmental of that one providing professional business competency located fundamentals of clothing and clothed adolests. These students who are particularly interested solvets.

#### Management and Family Economics

The area of Management and Family Economics is concerned with achievement of gools and mediation of voluse within the formily. Decision-moking and organizing processes are studied as the means to these ends. The field is concerned with the family as an economic unit and social system. Sociology, Foromics, Asthropalacy and Philosophy pravide support for the field.

HOME MANAGEMENT. The undergraduate specialization in this area is planned for September 1965. The curriculum provides breadth in Home Economics and depth in the Social Sciences. It will prepare students for positions' as home economists in private and governmental agencies con-

cerned with family education and welfare here and abroad. It meets the requirements for Civil Service positions. In addition, the curriculum provides the foundation for argulate work.

Field experience with agencies serving families will be provided to aid the student in gaining competence in implementing programs related to family education and welfare.

#### **Human Development**

The area of Human Development is of necessity interdisciplinary in nature, The program brings together knowledge from Psychology, Society, Anatomy, Physicology, Notrition, Education, the Arts, Amhropology, and relates it to Human Development and early delibeace described. It is concerned with all insolvational and environmental effects upon developing and the program of the property of the program of the development costs of the program of the program of the program of the development costs of the program of the program of the program of the development costs of the program of the program of the program of the development costs of the program of the program of the development costs of dev

CHILD DEVELOPMENT. The child development program prepares the sudent for work in various types of group programs serving preschool-oged children, such as leboratory, public, and private nursery schools, disist for exceptional children, hospital restentions programs, and community and welfore agencies. In addition, the child development curriculum provides and addition, the child development curriculum provides for students work in various other child servering described to the control of graduates work in various other child servering the provides of the child servering the control of graduates work in various other child servering the ch

Directed experience with the children of the laboratory murary skool and their families provides the necessary opportunity for suddents to develop a sound personal philosophy of early childhood education, and to achieve competence in implementing it. More intensive specialization for qualified subdents may be obtained by the election of a one-sensetter offiliations with III) Martiffichers inthittie in Detroit, Michigan, which specializes in the study of human development and family life; [2] the filia-freeman School study of the study of human development and family life; [2] the filia-freeman School study of the study of human development and family life; [2] the filia-freeman School study of the study of human development and family life; [3] the filia-freeman School study of the study of human development and family life; [3] the filia-freeman School study of the study of human development and family life; [3] the filia-freeman School study of the st

#### Home Economics Education

Home Economics Education offers  $\sigma$  curriculum which provides a broad cultural education and preparation for teaching in secondary schools and the Cooperative Extension Service.

SECONDAY EDUCATION AND EXTENSION. The School of Home Encounts, is cooperative with the School of Education, prepares students for teaching home excendits in junior and senior high school. This curriculum serves also home excendits a junior and senior high school. This curriculum serves also and home excendits study in subject matter races in home excendits and home excendits education. Sudents interested in the Cooperative Extension Service will, with the acutainnee of an extension device, selecting courses in preparation for continuing education positions in adult and 4-H programm.









The basic nursing curriculum is designed as a four-year academic pragram to prepare the qualified high school graduate for a career in professional nursing, as well as for the responsibilities of family and cammunity life.

The program aims to equip the graduate with those understandings and skills which are needed to function effectively in beginning positions in a variety of nursing situations. These include the ability to pravide competent nursing care to polarise and formities in the hospital, home and community, to participate with affiled professional and clirate groups for the improvement to provide the program of the pr

During the first two years the students build a firm educational foundation upon which to base the more specialized partian of the program. Courses in the humanities and in the sciences—biological, physical and behavioral—are taken with other students on the compus.

The clinical capects of the program are developed beginning with the second year. Instruction and correlated clinical practice or given in selected co-perciting agencies by the maring faculty of the University and the allied professional staffs of the coaperating agencies. These agencies is developed the Springfeld Hospital, the Wesson Maternity Hospital, and the Wesson Memorial Hospital, Springfeld in Merkmanpelor Staff the Hospital, the Developed the Association of Springfeld Hospital, the Developed Springfeld Hospital, the Developed Springfeld Hospital Spri

The Bachelor of Science degree, awarded upon successful completion of this program, qualifies the graduate for State Board Examinations in Nursing. If achievement in these examinations is satisfactory, the condidate receives lead status as a registered purse within the state.

The pragram is approved by the Massachusetts Board of Registration in Nursing and accredited by the Accrediting Service of the National League for Nursino.

Above, the Western Massachusetts Public Health Center, home of the Sebool of Nursing. Below, Students involved in study session in hospital library. Uniform is one designed especially for University nursing students.



Tools for Icorning: a laboratory in School of Nursing.





The essential background—knowledge of enatomy and physiology . . .







#### Warren P. McGuirk, Dean Frank L. Boyden Physical Education Building

The School of Physical Education includes the Departments of Physical Education for Men, Physical Education for Women, Recreation, and Athletics. It offers undergraduate majors in Physical Education and in Recreation and a graduate degree in Physical Education.

#### Physical Education for Men

GENERAL PROGRAM. Each mole freshman and sophomore student, unless exempted under certain conditions, must successfully complete four semesters of physical education and demonstrate his ability to swim as a requirement for his degree. The physical education requirement does not apply to those students excused by the University physician, veterons of more than six months of military service, and certain transfers students.

Students may receive credit for physical education, during the sport in season by becoming squad members of any freshman or varsity team. Freshmen who elect an athletic team sport for physical education credit must rejoin their class sections at the termination of the seasonal sport. Students may not participate in a given sport for credit for more than two semesters.

MADOR PROGRAM. The major program leading to the degree of Bachelor of Science in physical education is designed to train the student for a coreer as a teacher of physical education in Certification combines both general and professional education and provides for full section certification for the student who has met the prescribed requirements of preparation. The procedure of the program of t

#### **Physical Education for Women**

GENERAL PROGRAM. Physical Education is required of all women students during their freshman and sophomore years. The courses are planned to provide recreative activity, to improve individual skills, to develop body arace and efficiency and to increase health and viaor.

The first and second year women students are required to take three class hours a week for a total of eight credits, one for each quarter of satisfactory work.

Above, the Frank L. Boyden Physical Education Building. Below, the Wemen's Physical Education Building. MAJOR PROGRAM. The major course in physical education is planned to prepare women students for professional carents. Special claretion is given to preparing teachers for elementary and secondary school in both physical and health education. Other areas for which the graduates will quelify are teaching sports and donce in social agencies, industrial plants, civic centers and camps. In douastion will be allow for predictional in graduates study. The curriculum gives a broad general background as well as the professional preparation.

#### Perrention

MAJOR PROGRAM. The department seeks to prepare men and women for positions involving administrative, supervisory and program leadership responsibilities in municipal recreation agencies, voluntary and youth-serving agencies, hospitols, and industrial and institutional organizations.

The program is designed to provide opportunities for a general education, a knowledge and understanding of people and society, octivity skills and resource knowledge, professional competency, and practical experience in various leadership situations.

In addition to completing the curriculum as described below, the student is required to:

- (1) attend a professional conference approved by the department:
- participate in programming activities at the Student Union, with a scout troop, or in a similar setting approved by the department;

(3) devote one summer (minimum of six weeks) to a recreation position, preferably with pay, in a camp, playground, or similar setting approved by the department.

#### Department of Athletics

(W. P. McGuirk, Director: E. E. Larden, Assistant Director.) The following men coach intercallegiate athletics and intramurals: R. E. Bergquist, freshman coach of baseball and Stockbridge basketball; R. L. Bresciani, Assistant Director of Sports Information: L. E. Briggs, coach of varsity soccer: M. G. Brasky, freshman coach of wrestling; J. L. Cabb, freshman coach of track; J. J. Delaney, assistant coach of football; J. G. Douglas, coach of wrestling; W. Fontrick couch of track and cross country: Cant. R. Fowler, coach of rifle: V. H. Fusia, coach of football: R. F. Garber, coach of lacrosse: C. S. Gladchuk, director of intramurals and coach of galf; F. J. Glatz, assistant coach of faotball: J. Gundersheim, coach of freshman aymnastics: G. Karras. assistant football coach: V. A. Keedy, physiotheranist; E. K. M. Kieldsen, varsity coach of gymnastics; S. R. Kasakowski, director of Stockbridge athletics and coach of hockey and tennis; J. A. Leaman, Jr., freshman coach of basketball and soccer: E. E. Larden, coach of baseball: Capt. W. McGinnis, coach of pistol; W. P. MacConnell, coach of ski; Col. J. C. Marchant, coach of Stockbridge rifle; R. W. O'Cannell, financial manager of athletics; J. M. Orr, coach of haskethall, R. H. Page, director of sports information, J. R. Rogers, Jr., coach of swimming: T. S. Schmitt, assistant football coach; R. W. Gage. M.D., team physician and medical advisor.

TO KEEP AMERICA PHYSICALLY FIT—A few of the activities associated with the major areas in the School of Physical Education.







#### DEPARTMENT OF PUBLIC HEALTH

Robert W. Gage, Chairman

The Department of Public Health offers undergraduate instruction in the area of environmental health, public health administration, and medical technology. It also offers a graduate program leading to the degree of Master of Science in Environmental Health.

PUBLIC HEALTH. Public health practice is affering an increasing variety of significant career apportunities in many areas. Among these are the following: (1) administration of community health services; (2) general ar specialized direction of environmental health services; (3) work and research in the basic sciences related to health; (4) work in the faad and drug protective services; (5) involvement in health education, and (6) participation in programs of health information and communication. It is the intent of the Department of Public Health to provide, within the University's framework of presenting a liberal education to all its students, a basis for competence and skill in at least one of these areas. In addition, the program is intended to provide a salid comprehensive foundation upon which subsequent specialized or graduate study can be continued in any of the major areas of public health.

MEDICAL TECHNOLOGY. The curriculum in medical technology is recommended for young men and women in preparation for a wide variety of

accupational apportunities. Medical technology graduates may be prepared for positions in medical laboratories, in federal, state, and local health departments, and in commercial and research laboratories. In this area there are two possibilities for arrangement of the curriculum. Students may complete the full four years of undergraduate instruction and, after receiving their baccalaureate degree, enter a 12-month internship in an approved hospital laboratory. At the end of this (fifth) year of preparation, the student will be eligible for examination by the American Society of Clinical Pathologists to qualify for the Registry of Medical Technology.

An optional three-and-one pragram is now affered which allows the student to obtain the baccaloureate degree and complete the requirements for examination for registration in a total of four years. In this pragram the student is able to camplete the University's core requirements and complete the preparation for the clinical laboratory training within three years. The fourth year of study is taken in one of the hospitals offiliating with this department and approved for clinical laboratory training. Academic credit is allowed for participation in this program so that by the end of four years, a student will have gained a total of 120 credits, which is sufficient for graduation.

## DIVISION OF MILITARY AND AIR SCIENCE

The Division of Military and Air Science includes the Department of Military Science and the Department of Air Science. No major is offered in either department. Effective academic year 1963–1964, the ROTC (Army and Air Farce) program is valuntary. Male students who are physically qualified may register in the two-year basic ROTC course and receive credit toward graduation. Completion of the basic course is a requirement far enrollment in the advanced course which leads to a commission in the armed forces.

### DEPARTMENT OF MILITARY SCIENCE (Army)

#### Albert W. Aykroyd, Colonel, U. S. Army, Head

The Army Reserve Officers Training Carps is the means by which young men who have taken the leadership step of coming to the state university may assure themselves that their military service is performed in commissioned status. The first two years are basic training in leadership and citizenship. The student is informed on the position of the military in the current scene and as it relates to his future. The second two years of ROTC are not only elective, but selective. The best qualified students are selected and are permitted to contract to continue on to a commission. The Army provides these men a subsistence allowance and additional emoluments. There is a sixweek summer camp training period between the junior and senior year. Participation in ROTC has notable effect in character development. It also discloses to the Army existing officer material and its potential leaders.

Successful completion of this program leads to a commission as a Second Lieutenant, U. S. Army. Active duty requirements are, at the present time, two years service with an active Army unit.

#### DEPARTMENT OF AIR SCIENCE

#### Roy D. Simmons, Lt. Colonel, USAF, Head

The mission of the Department of Air Science is to develop in select students those qualities of leadership and other attributes essential to their progressive advancement to positions of increasing responsibility as cammissioned officers. It is not expected that all students commissioned will select the United States Air Force as a career; however, the program provides excellent preparation for such a career. Further, even though an Air Force career is not selected, the experience gained and the leadership qualities developed will enhance professional and managerial apportunities in the business society.

The program is presented in two phases; the Freshman and Sophomore years are designated as the Basic Course, and the Junior and Senior years as the Advanced Course.

The first two years of the program are not obligatory and are designed primarily to educate the student to the point where he can make a more intelligent decision concerning his military obligation and whether a tour of active duty as a commissioned officer corresponds with his career objectives.

#### COURSE REQUIREMENTS IN THE FRESHMAN YEAR

The following listings are designed to give prospective students a complete schedule of the courses required in the freshman year in all colleges and schools of the University.

Note: Course: in Military and its Signer, although listed groups the processor below are also the

Nate: Courses in Military and Air Science, although listed among the programs below, are elective offerings and are not required far graduation.

#### COLLEGE OF ARTS AND SCIENCES

1st Semester	Credits	2nd Semester	Credits
English 1	2	English 2	2
Speech 3*	2	Speech 3*	2
Mathematics or Natural Science <sup>1</sup>	3	Mathematics or Natural Science	3
Natural Science or History 52	3	Natural Science or History 62	3
Foreign Language <sup>3</sup>	3	Foreign Language <sup>3</sup>	3
Elective <sup>4</sup>	3	Elective <sup>4</sup>	3
Military or Air Science 1 (men)	1	Military or Air Science 2 (men)	1
Physical Education 1, 2 (men)**	2	Physical Education 3, 4 (men)**	2
Physical Education 5, 7 (women)**	2	Physical Education 6, B (women)**	2

<sup>1</sup>Candidates for the B.S. degree take Mathematics. Those planning to major in chemistry or physics should, if possible, elect Mothematics 5 and 6.

<sup>2</sup>Candidates for the B.S. degree take natural science; candidates for the B.A. degree take History 5 and 6.

<sup>3</sup>Subject to exemption on basis of proficiency examination.

\*Candidates for the B.S. degree take science.

\*May be taken either semester.
\*\*Not quality point credit.

#### SCHOOL OF BUSINESS ADMINISTRATION

lη	each	subje	t c	one	year	sec	vence	is	req	uirec	ł
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1st Semester	Credits	2nd Semester	Credits
English 1	2	English 2	2
Speech 3*	2	Speech 3*	2
Mothematics	3-4	Mathematics	3-4
Hist. 5, 25, or Govt. 25	3	Hist. 6, 26, ar Gavt. 26	3
Science: elect one	3	Science: elect one	3
Chemistry 1		Chemistry 2	
Physics 3		Physics 4	
Botany 1		Botany 25	
Geology 1		Geology 2	
Zoology 1		Zoolagy 25 or 35	
Elective	3	Elective	3
Military or Air Science 1	1	Military or Air Science 2	1
Physical Ed. 1, 2 (men)**	2	Physical Ed. 3, 4 (men)**	2
Physical Ed. 5, 7 (women)**	2	Physical Ed. 6, 8 (women)**	2

<sup>&</sup>quot;May be taken either semester.

\*\*Not quality point credit.

#### COLLEGE OF AGRICULTURE

1st Semester	Credits	2nd Semester	Credits
English 1	2	English 2	2
Speech 3*	2	Speech 3	2
Mathematics	3	Mathematics	3
Chemistry 1	3	Chemistry 2	3
Botany 1	3	Zaolagy 1	3
Military or Air Science I (men)	1	Elective <sup>2</sup>	3
Food Economics 1	2	Military or Air Science 2 (men)	1
Physical Education 1, 2 (men)**	2	Physical Education 3, 4 (men)	2
Physical Education 5, 7 (women)**	2	Physical Education 6, B (women)**	2

Elective may be any freshman or sophomore course—most will elect Animal Husbandry 2, Horticulture 2, Entomology 26 or Forestry 26. A foreign language may be substituted for the Food Economics-elective sequence.

\*May be taken either semester or during a later year.

\* Not quality paint credit.

Freshmen majoring in Agricultural Engineering take the pragram listed under the School of Engineering. Freshmen majoring in Landscape Architecture will take Government 25 in place of Zoology 1, Art 33 in place of Food Economics 1, and Sociology in place of Chemistry 2.

SCHOOL OF EDUCATION	4		
1st Semester	Credita	2nd Semester	Credits
English 1	2	English 2	2
Speeds 3*	2	Speech 3*	2
Math, 1 or Chem. 1	3	Moth. 2 or Chem. 2	3
Zool, 1 or Bot, 1	3	Bot, 1 or Zool, 1	3
Foreign Long.**	3	Foreign Lang.**	3
History 5	3	History 6	3
Education 9†		Education 9	
Military or Air Science 1 (men)	1	Military or Air Science 2 (men)	1

2

2

Physical Ed. 3, 4 (men):

Physical Ed. 6, 8 (wamen):

Physical Ed. 1, 2 (men)? Physical Ed. 5, 7 (women): \*Mov be taken either semester.

"\*Intermediate Proficiency Required. †To be completed in a school year. !Not quality point credit.

#### SCHOOL OF ENGINEEDING

1st Semester	Credita	2nd Semester	Credits
English 1, Composition	2	English 2, Composition	2
Speech 3	2	Moth. 6, Calculus	3
Math. 5, Anal. Geam. and Calc.	3	Chem. 2 or 4, Generol	3 or 4
Chem. 1 or 3, General'	3 or 4	Engineering 4, Engra, Probs.	2
Engineering 3, Graphics	3	Physics 5	3
Social Sci. Elective	3	Social Sci. Elective	3
Military or Air Science 1 **	1	Military or Air Science 2*-	1
Physical Ed. 1, 2†	2	Physical Ed. 3, 41	2

"It is recommended that Chemical Engineering majors take Chemistry 3 and 4 in place of Chemistry 1 and 2.

\*\*Military and Air Science are optional. Not quality point credit.

#### SCHOOL OF HOME ECONOMICS

Key: FN-Food and Nutrition

#### TCRA-Textiles, Clothing and Related Arts

	MAJOR IN DIETETIC	AND IN	STITUTIONAL ADMINISTRATION	
741	Semester	Credits	2nd Semester	Credit
Eng	lish 1, Composition	2	English 2, Composition	
Spe	ech 3*	2	Chemistry 2, General	3
Che	mistry 1. General	3	Psychology 1, General	
FN	27, Man and Nutrition	3	Mothematics 1, Introduction	
For	eign Language ar Humanities Electi	ve 3	Zoology 1, Introduction	
	iology 25, Introductory	3	Physical Education 6. 6†	

Physical Education 5, 71 \*May be taken either semester.

If a foreign language is elected, student must complete the intermediate year.

Not quality point credit.

#### SCHOOL OF HOME ECONOMICS (Continued)

#### MAJOR IN FOOD AND NUTRITION IN BUSINESS

Semester	Credits	2nd Semester	Credit
lish I, Composition	2	English 2, Composition	2
ech 3, Communications	2	Psychology 1, General	3
mistry 1, General	3	Chemistry 2, General	1
27. Man and Nutrition	3	Zoology 1, Introductory	3
iology 25, Introductory	3	TCRA 23, Art for Living	3
tive	3	Elective	3
sicol Education 5, 71	2	Physical Education 6, 8 i	
	Semester Ilish 1, Composition sech 3, Communications mistry 1, General 27, Man and Nutrition iology 25, Introductory strive siscal Education 5, 7†	Ilish 1, Composition 2	Ilida J. Composition   2 English 2, Composition   2 English 2, Composition   2 Psychology J. General   2 Psychology J. General   3 Chemistry 2, General   3 Chemistry 2, General   3 Zalogy J. Introductory   3 ICOA 23, Art for Unity 2 Chemistry 3 TCRA 23, Art for Unity 3 Bettive   3 Elective   3 Electiv

Not quality point credit.

#### MAJOR IN FASHION IN RETAILING AND RUSINESS

maraon in	· momon m	MELINGENIO PRIM SOUR EGO	
1st Somester	Credits	2nd Semester	Credits
English 1, Composition	2	English 2, Composition	2
Speech 3, Communication	2	Science, Physical or Biological	3
Science, Physical or Biological	3	Psychology, 1	3
Socialogy 25	3	Language	3
Longuage	3	TCRA 24, Textiles I	3
TCRA 23, Art for Living	3	Physical Education 6, 8†	2
Physical Education 5, 71	2		

Nat quality paint credit.

#### WHICH IN CECONDARY EDUCATION AND EXTENSION

MAJOR IN	SECONDAKI	EDUCATION AND EXILIBION	
Ist Semester	Credits	2nd Semester	Crec
English 1, Composition	2	English 1, Composition	
Speech 3, Orol Communication	2	Psychology 1, General	
Chemistry 1, General	3	Chemistry 2, General	
FN 27, Man and Nytrition	3	Mothematics 1, Introductory	
Socialogy 25, Introductory	3	TCRA 24, Textiles I	
Government 25	3	Physical Education 6, B†	

Physical Education 5, 71 Not quality point credit.

#### MAJOR IN NURSERY SCHOOL EDUCATION

3

	Credits	2nd Semester	Credity
1st Semester			Cream
English 1, Composition	2	English 2, Composition	- 2
Zoology 1, Introductory	3	Economics 25, Elements of	
Foreign Language	3	Foreign Language	
FN 27, Man and Netrition	3	Sociology 25, Introductory	
Psychology 1 or 5, General	3	Elective	
Speech 3, Oral Communication	2	Physical Education 6 and 8†	
Physical Education 5 and 7†	2		

Not quality point credit.

#### SCHOOL OF NURSING DEPARTMENT OF PUBLIC HEALTH 1st Samester Credits 2-4 5-----Credite PUBLIC HEALTH English 1 Feolish 2 Chemistry 1 3 Chemistry 2 Let Semester Crechts Credits Soc. 25 or Psych 1 3 Sqc. 25 or Psych. 1 English 1 English 2 Zooloov 1 Morriso 1 Smeech 3, I or II! Social Science Elective Sacial Science Elective Mathematics 1 or 911 Mathemotics 2 or 10° Speech 300 Chemistry 2 Physical Ed. 1o, b 2 Physical Ed. 6 and 8 Zoology 35 or Elective Psychology 1 or Sociology 1 Psychology 1 or Sociology 1 \*\*May be taken either semester. Phys. Ed. La. b. Phys. Ed. 2a. b. MEDICAL TECHNOLOGY SCHOOL OF PHYSICAL EDUCATION 2nd Semester 1st Semester Credits Credite English 1. Composition English 2. Composition PHYSICAL EDUCATION FOR MEN Speech 3 Lot II. Chamistry I. Garaged let Competer Condito 2nd Semester Constitu 3 Chamistry 2 Canacal Botany 1 or Zoology 1 Botony 1 or Zoology 1 Frolish 1 Foolish 2 Foreign Language \*\* Foreign Losquage " P. E. 23, Principles of Health Ed. Mathematics 1 Intro-Mothematics 2 letro Sanstition 21 Social Science Flection Phys. Ed. 1g. b Phys. Ed. 2a. b P. E. 21. Intro. to Phys. Ed. P. E. 22. First Aid and Safety P. E. S. Skills and Techniques P. E. 6. Skills and Techniques "May be taken either semester. (Corrosse-Compostics) (Gomeostics-Bodminton) ""On basis of placement tests and interest in advanced science. First One Flest One 1-16 a language is elected, intermediate proficiency is required. Chemistry I Chemistry 2 Botony 1 Betony 1 3 Zoology 1 Zoology 1 PHYSICAL EDUCATION FOR WOMEN let Semester Credits 2nd Semester Creclite DEPARTMENT OF MILITARY SCIENCE (ARMOR) English 1, Composition English 2. Composition Spend 3 Zoplany 1. Introductory let Competer Condit 2nd Computer Could Hist. 5, Mod. Europ. Civ. Hist. 6, Mod. Europ. Civ. M. S. 12 M. S. 11 W. P. E. 1, Intro. to P. E. W. P. E. 2. letro, to Chid, thru P. E. Statistics 21 W. P. E. 10. Health for Adults W. P. E. 11. Skills W. P. E. 12. Skills Elective\* Flertive\* \*Chemistry 1 and 2 are required if students have not had chemistry in high school. Others may PRECUMAN VEAR select from Chemistry, Physics, Microbiology, or foreign language. Let Somestor 2nd Somester Cookle Air Science 11 (AFOF 111) Air Stience 12 (AFOF 112) RECREATION Foundations of Aerospore Power I Foundations of Aerospace Power II 1st Semester Credit 2nd Semester Credite

3

One of the following which may be completed in either remester:

English 1 or 3

Psychology 1 or 5

English 1, Composition

Govt. 25. American Govt.

Bot. 1. Intro. Bot.

Humanities Flective

Rec. 1. Intro. to Rec.

P. Rev. 13. Skills & Tech

Cornel 2

English 2, Composition

Zool, 1. letro, Zool

Rer. 2. Sovial Res.

Soc. 25. letro, to Soc.

P. Rec. 14, Skills & Tech.

M. P. E. 22 First Aid & Sofety

Starbeller 21

3			

Credito

#### WHERE TO WRITE FOR FURTHER INFORMATION

Academic Affairs

Oswald Tippo, Provost

Admissions William D. Tunis, Dean of Admissions

Expenses, Payments Kenneth W. Johnson, Treasurer

Health Services Dr. Robert W. Gage

Housing

John C. Wells, Director of Housing

Men's Affairs

Robert S. Hopkins, Dean of Men

Placement and Financial Aid Services (Loans and Scholarships)

Robert J. Morrissey, Director Records and Transcripts

William Starkweather, Associate Reaistrar

Stockbridge School of Agriculture Fred P. Jeffrey, Director

Student Affairs

William F. Field, Dean of Students

Summer Sessions Office of the Provost

Women's Affairs Helen Curtis, Dean of Women

All correspondence should be addressed to the appropriate office. University of Massachusetts, Amherst, Massachusetts,



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