



Cornell
University

ANNOUNCEMENTS

*General
Information*

1967-68

CORNELL UNIVERSITY ANNOUNCEMENTS

Supplement to Volume 59, Number 1, July 11, 1967

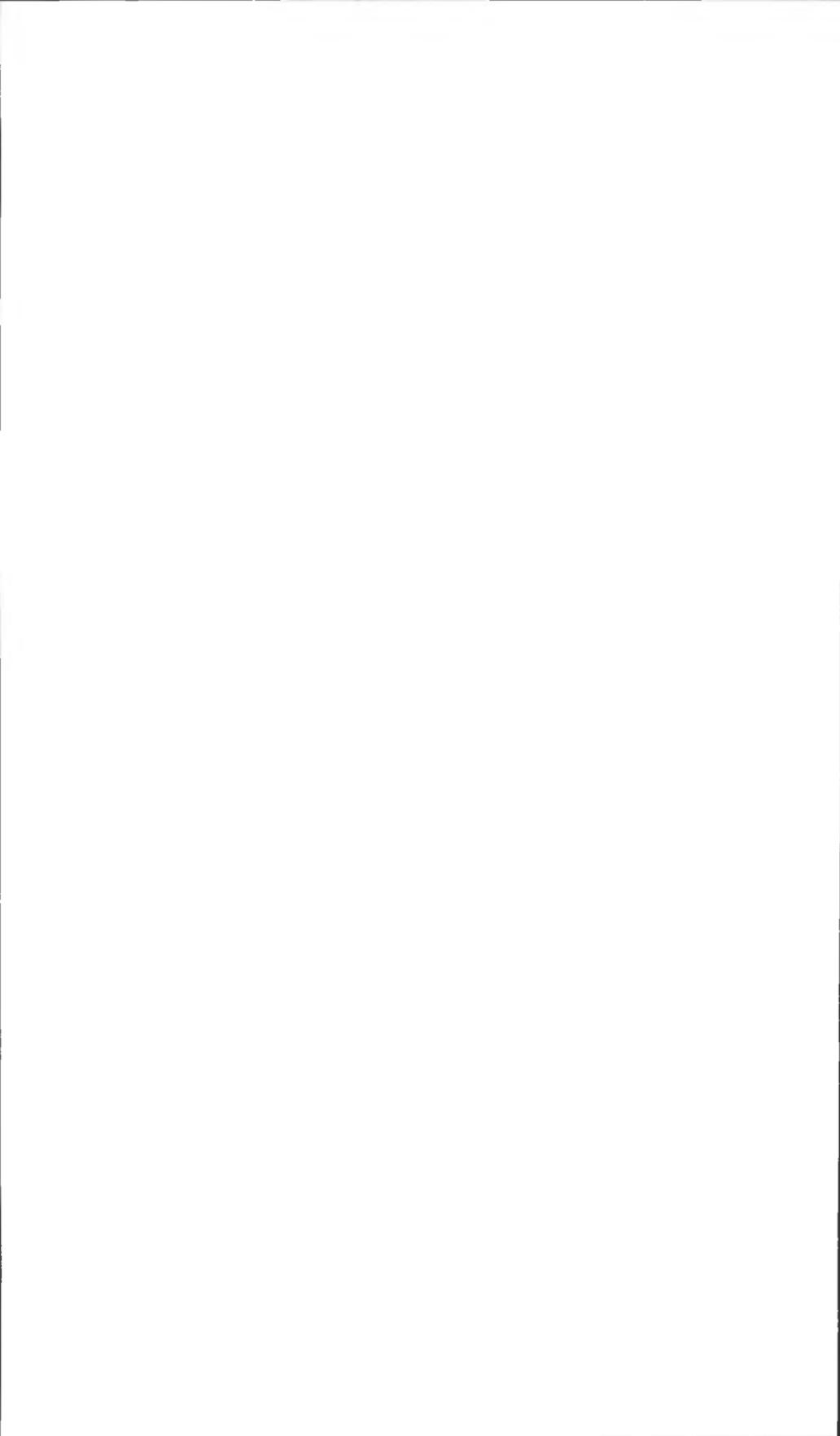
GENERAL INFORMATION

The Cornell University Board of Trustees has found it necessary to increase the tuition in certain academic divisions.

In the following divisions the tuition and fee will be \$1100 *for each term*, beginning May 29, 1968:

Architecture, Art, and Planning; Arts and Sciences;
Engineering, including Aerospace Engineering;
Business and Public Administration; Hotel Administration;
and Unclassified Students.

In the Graduate School, the tuition and fee will be increased to \$1100 for each term *if* the student's major field of study is in one of the divisions listed above.



Cornell University

*General
Information*

1967-68

Academic Calendar

	1967-68	1968-69
Registration, new students	F, Sept. 8	F, Sept. 13
Registration, old students	S, Sept. 9	S, Sept. 14
Fall term instruction begins, 7:30 a.m.	M, Sept. 11	M, Sept. 16
Midterm grade reports due	S, Oct. 21	S, Oct. 26
Thanksgiving recess:		
Instruction suspended, 1:10 p.m.	W, Nov. 22	W, Nov. 27
Instruction resumed, 7:30 a.m.	M, Nov. 27	M, Dec. 2
Fall term instruction ends, 1:10 p.m.	S, Dec. 16	S, Dec. 21
Christmas recess		
Independent study period begins	W, Jan. 3	M, Jan. 6
Final examinations begin	M, Jan. 8	M, Jan. 13
Final examinations end	T, Jan. 16	T, Jan. 21
Intersession begins	W, Jan. 17	W, Jan. 22
Registration, old students	F, Jan. 26	F, Jan. 31
Registration, new students	S, Jan. 27	S, Feb. 1
Spring term instruction begins, 7:30 a.m.	M, Jan. 29	M, Feb. 3
Deadline: changed or make-up grades	M, Feb. 5	M, Feb. 10
Midterm grade reports due	S, Mar. 9	S, Mar. 15
Spring recess:		
Instruction suspended, 1:10 p.m.	S, Mar. 23	S, Mar. 29
Instruction resumed, 7:30 a.m.	M, Apr. 1	M, Apr. 7
Spring term instruction ends, 1:10 p.m.	S, May 11	S, May 17
Independent study period begins	M, May 13	M, May 19
Final examinations begin	M, May 20	M, May 26
Final examinations end	T, May 28	T, June 3
Commencement Day	M, June 3	M, June 9
Deadline: changed or make-up grades	M, June 10	M, June 16

The courses and curricula described in this Announcement, and the teaching personnel listed therein, are subject to change at any time by official action of Cornell University.

CORNELL UNIVERSITY ANNOUNCEMENTS

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The Library Tower, with Olin Library
in the background.

Cornell University

THE FOUNDING

When Cornell was founded in 1865, it was considered a startling innovation in American education. Instead of pursuing conventional academic ideas, it proposed to offer *any* intellectually qualified person instruction in *any* subject. Ignoring as it did distinctions based on religion, sex, and color, the "Cornell Idea" was viewed as a questionable experiment.

Time proved the University to have been a leader in a great shift in American education. It answered the three most pressing demands of the period: liberalization of the humanities curriculum, promotion of research, and advanced training in agriculture and engineering.

The Cornell story is best told in terms of its founders — Ezra Cornell and Andrew Dickson White.

Ezra Cornell was practical and energetic and had a Quaker conscience which impelled him to say, "My greatest care is how to spend this large income to do the greatest good. . . ." Cornell was not born to wealth. He had worked hard; his formal education was meager. But, he concluded, support of education was the best way to use his personal fortune for the good of posterity. His search for a way to implement this resolve ended when he met Andrew Dickson White, a fellow senator in the legislature at Albany.

White was American-born but a product of an older culture. It was easy to imagine him in a European university, happy among books and the trappings of antiquity. Devoted to learning, steeped in the arts and humanities, he was a professor and lived in the world of ideas. He had long dreamed of an educational institution that would be "a worthy American university."

In 1864 the two men conceived a plan to combine Ezra Cornell's resources with the proceeds from sale of the public land awarded

to New York State under the federal land-grant college act; together they won the state legislature's approval; together they built the University.

It was as much from their differences of character as from their common interest that the University was shaped. The practical Cornell would have established a school to train young men for agriculture and industry. The scholarly White would have started "a nucleus around which liberally-minded men of learning... could cluster, a center from which ideas and men shall go forth to bless the nation...."

As the product of both men, Cornell University became more than either had envisioned. It became a unique institution responsive to the new needs of the nation.

CORNELL TODAY

The University's basic objective is to produce men and women of intellect and to equip them to use their abilities wisely.

The stature of Cornell as a university is not a product of its size or location. It is not a function of age or financial standing or the geographic origin of students. Both excellence and mediocrity can be found in universities in any size range, any stage of prosperity, and any age group. The factors that distinguish Cornell and place it among the eminent universities of our time lie behind the brick and mortar, in the traditions, objectives, and commitments of the University and its people.

Cornell is not solely a place for memorizing data or mastering a vocation. It is, instead, a route to intellectual maturity, a means for developing the ideas, insights, and values which form a permanent personal capacity for intelligent thought and action. The Cornell student is prepared to use knowledge well for himself and society. The diversity of Cornell contributes breadth and perspective to strong, specialized programs of study.

Compared with some other American universities Cornell is of medium size. Listed on its rolls, however, are some 13,500 students. Its faculty and staff on the Ithaca campus number about 6,600.

Some universities are sustained by public money; others depend on private funds supplied by alumni, friends, and other sources. Cornell draws its support from both. Part of the University is state-supported; part, privately financed through endowment, tuition, fees, gifts, and grants.

Cornell is a national — in fact, an international — institution. Its students come from every state in the Union and from eighty-four foreign countries. The faculty and staff have been drawn

from every region of the nation — and again many nationalities are represented.

Cornell's activities are mainly centered in Ithaca, New York, on a campus comprising more than ninety major buildings on several hundred acres. Here, the University has the classrooms, laboratories, libraries, experimental gardens, dormitories, and other facilities needed for most of its work. It has also spread to other communities, however. It has a medical college and a nursing school in New York City and an aeronautical laboratory in Buffalo, New York. It operates the New York State Agricultural Experiment Station in Geneva, New York. Research teams are at work in several foreign countries.

CORNELL'S COLLEGES AND SCHOOLS

In 1868, when the first freshmen assembled on the Ithaca hills, Cornell University already was committed to a curriculum of breadth as well as depth. Three programs of study were offered: a "classical" course, following the time-honored pattern of established universities; a "scientific and modern" course, directed to technology and similarly utilitarian studies; and an amalgam of the two called simply a "combined" course.

In the intervening years these three segments have grown into an academic complex of fifteen undergraduate and graduate schools and colleges. The curriculum spans almost all the major branches of learning. Bachelors' degrees are awarded in ten broad areas of study.

Eleven of the colleges and schools are now privately financed; four are operated under contract as units of the State University of New York. Regardless of the source of funds, all colleges and schools are full-fledged components of the University, interchanging students and supporting each other's efforts and programs. Admission to Cornell University involves, in each instance, meeting the entrance requirements of one of these academic divisions.

The central and largest unit is the College of Arts and Sciences. A liberal college, it devotes itself to those subjects which enable man to understand himself and his world — the humanities, the physical sciences, and the social studies. Every undergraduate takes some of its courses.

High school graduates are admitted to the New York State College of Agriculture; the Colleges of Architecture, Arts and Sciences, and Engineering; the New York State College of Home Economics; the School of Hotel Administration; and the New York State School of Industrial and Labor Relations. The School



After classes, walking back
to University Halls.

of Education supervises curricula beginning in the freshman year, although it does not actually enroll students.

Several divisions are devoted to graduate study, and students may be admitted to those only after some previous college education. The New York State Veterinary College and the Cornell University-New York Hospital School of Nursing require two years of undergraduate preparation; the Law School requires a baccalaureate degree; the Graduate School of Business and Public Administration requires a baccalaureate degree except in a few specific cases; and the Graduate School, the Medical College, the Graduate School of Nutrition, and the Graduate School of Aerospace Engineering all require a baccalaureate degree.

The other units are the Division of Summer Session and Extramural Courses, and the Division of Unclassified Students.

For more information, the prospective student should consult the section "Choosing a College or School," beginning at page 73.

THE COLLEGE OF ARTS AND SCIENCES

The College of Arts and Sciences is a liberal arts college. Its students pursue the traditional aim of liberal education: man's understanding of himself and of the world in which he lives.

A four-year course of study leads to the Bachelor of Arts degree. The student's program is so arranged that, for the first two years, he pursues at least a year's study in one of the natural sciences, in one of the social sciences, and in one of the humanities. In addition he must achieve competence in the use of the English language and lay a sound foundation in at least one foreign language. In his last two years he may continue work in two or three areas of knowledge but he devotes roughly half of his study to acquiring depth and competence in one of them, his major subject.

Though a part of the student's course of study is required, he still exercises a wide choice in selecting particular courses to meet the requirements and has numerous unrestricted electives. The student is expected to accept a large share of responsibility in shaping his own program of study, though at all times he may have the assistance of a faculty adviser and recourse to other sources of advice on the campus in making the most of his educational opportunities at Cornell.

A student is offered a wide choice of fields of major study: anthropology, Asian studies, astronomy, biological sciences, chemistry, classics, classical civilization, computer science, economics, English, French, geological sciences, German, government, history, history of art, Italian, linguistics, mathematics, music,

philosophy, physics, psychology, Russian, Semitics, sociology, Spanish, and theatre arts.

Though the program of studies in the College of Arts and Sciences has been constructed primarily to assure the successful achievement of a liberal education itself, it is also, according to the graduate schools of law, medicine, and business administration, the best preparation for professional study.

In selecting students for admission, the College places increasing emphasis upon the quality of preparation in English, foreign languages, and mathematics. (See the section "Subject and Test Requirements" on page 39.)

Students interested in the College of Arts and Sciences should request the Announcement of that College. Those interested in graduate study should consult the *Announcement of the Graduate School*.

Six-year Ph.D. Program

For the superior student who intends to go on to doctoral study in the liberal arts or sciences, the College offers a special program which leads to the A.B. degree in three years, the M.A. in four, and the Ph.D. in six. The program balances acceleration with enrichment, providing an integrated course of study with a strong liberal arts core. In their undergraduate years, students in the program will be freed of formal requirements and will be given a series of special seminars, along with a selection of courses in the College. In their graduate years they will take advantage of Cornell's uniquely flexible procedures, which allow each student to plan a special program of study. The forty students admitted to the program each year will receive financial aid based on need while they are undergraduates; upon admission to the graduate portion of the program they will be given fellowships worth \$3,000 per year plus tuition and fees.

THE NEW YORK STATE COLLEGE OF AGRICULTURE

The College of Agriculture offers a wide selection of courses emphasizing the basic and agricultural sciences.

The development of modern agriculture finds its basis in the application of science to its processes and problems. Opportunities are equally stimulating and rewarding to those who develop new knowledge through scientific investigation and to those who apply findings to practical situations and problems.

The regular undergraduate program covers four academic years and leads to the Bachelor of Science degree. Students are not required to follow a prearranged curriculum; instead they may select, with the help of a faculty adviser and within the broad

requirements for the degree, courses that will best prepare them for their objectives.

Graduates of the College enter many fields of agricultural business and industry, agricultural and science education in high school and college, agricultural extension, the increasingly complex field of farming, and many specialized fields in which a scientific knowledge of agriculture is useful. Many graduates continue their studies in graduate or professional schools.

Special programs have been arranged in cooperation with the College of Engineering, leading to the Bachelor's degree, and with the Graduate School of Business and Public Administration, leading to the Master's degree.

Through the Graduate School, the various departments of the College offer advanced instruction leading to the degrees of Master of Science and Doctor of Philosophy. Detailed information may be obtained from the Dean of the Graduate School.

The College also provides shorter one-year and special adult programs which are of college grade but do not in themselves lead to a degree. Work completed in those programs may be counted toward the Bachelor of Science degree if the student subsequently enrolls in the four-year course. Short courses not of college grade are offered at irregular intervals to meet the needs of special groups.

A limited number of special students are admitted each year to pursue a one-year curriculum as provisional candidates for the B.S. degree. These students will be expected to present the usual entrance requirements of sixteen acceptable entrance units, including four years of high school English, and the Scholastic Aptitude Test and Writing Sample of the College Entrance Examination Board. Ordinarily, three units of mathematics will also be expected. Each student in the one-year curriculum will be expected to have approximately one year of work experience appropriate to his objective.

Requests for further information about undergraduate work and special or short courses should be addressed to the Secretary of the College of Agriculture, Roberts Hall.

COLLEGE OF ARCHITECTURE, ART, AND PLANNING

The College of Architecture, Art, and Planning offers undergraduate instruction leading to degrees in the fields of architecture and practice of art. At the graduate level, instruction is given in the history of architecture, urban design, structures, city and regional planning and art.

The major part of the instruction is given in Ithaca, but stu-



A creek on campus in late winter.

dents also take part in the College's New York City Program, with facilities at 200 Park Avenue South, where each undergraduate spends a term in the fourth year.

The course of study leading to the degree of Bachelor of Architecture covers five years. It includes training in the basic skills and disciplines needed by the architect for professional competence in his field, together with courses planned to stimulate his creative imagination and to broaden his knowledge of the social and cultural values that must be reflected in contemporary architecture.

The four-year curriculum leading to the degree of Bachelor of Fine Arts provides professional instruction in the practice of painting, sculpture, and graphic design, supplemented by a considerable body of work in the history of art and in general academic subjects.

A number of advanced degrees are offered in the College, all of which require more than a single year of graduate study.

Students who hold professional degrees in architecture from accredited institutions and who wish to undertake graduate study in urban design may apply for admission as candidates for the degree of Master of Architecture.

Students whose undergraduate programs emphasized history of art, architecture, or related subjects and who wish to undertake graduate study in the history of architecture may apply for admission as candidates for the degree of Master of Arts or Doctor of Philosophy.

Students who hold degrees in architecture or engineering from accredited institutions and who wish to undertake graduate study in architectural structures may apply for admission as candidates for the degree of Master of Science.

Graduate work in art is offered to students who have completed their undergraduate training in painting, sculpture, or graphic design, and who have proved their capacity to do independent, creative work. Such students may apply for admission as candidates for the two-year course of study leading to the degree of Master of Fine Arts.

In the field of city and regional planning, students who hold degrees in architecture, landscape architecture, or engineering, or who have majored in economics, sociology, geography, or government in their undergraduate work, may apply for admission as candidates for the degree of Master of Regional Planning. Two years of graduate study are required for the degree.

The Ph.D. degree, with a major in city or regional planning, is also offered for professionally qualified students interested in teaching and advanced scholarly research.

Requests for further information should be addressed to the Dean of the College of Architecture, Sibley Hall.

THE COLLEGE OF ENGINEERING

Cornell's engineering programs appropriately reflect the dynamic changes in modern society. New needs, goods, and services frequently require new educational approaches, and the College of Engineering seeks to maintain its educational vitality by offering its students considerable breadth and flexibility in their engineering programs. A core program of science, mathematics, engineering sciences, and liberal studies insures that all Cornell engineering students will have a strong fundamental base on which to develop their ultimate professional goals within the College.

Among the strengths of engineering education at Cornell is the fact that students can draw both upon the resources of a strong and diverse engineering College which enables them to select from a wide range of engineering programs, and upon the resources of other faculty in this broadly constituted University. The combination particularly equips Cornell engineers with the sound professional preparation necessary to function successfully in the range of environments in which engineers do their work.

After completing the basic programs of the freshman and sophomore years in the Division of Basic Engineering studies, a student may enroll either in one of the College's *Field Programs* or in the *College Program*.

Field Programs are offered in chemical, civil, electrical, industrial, and mechanical engineering, engineering physics, and materials science and engineering. To prepare for entry into one of those fields, appropriate engineering science courses are taken during the sophomore year. After completing the senior year, a graduate of a *Field Program* may earn the professional Master's degree in one additional year. That degree, representing the level at which graduates will be prepared to seek *professional* engineering employment, follows a three-year integrated program of studies in a particular engineering field — two years in the undergraduate program and one in the graduate.

The *College Program* accommodates a variety of professional career interests; among them are more intensive work in the fundamental engineering sciences or in one area of a professional field; interdisciplinary work within the various fields of engineering or with engineering and other Cornell curricula. The *College Program* gives Cornell engineering students and faculty alike the opportunity to pioneer in new areas of engineering and

applied sciences. Many of those new areas cannot be successfully developed within one field since most of them represent the interests of several fields. With the wide range of courses in the various undergraduate divisions at Cornell, many combinations of programs can be developed in a *College Program*.

Graduates of *either the Field Program or the College Program* who intend to enter research in applied science or in a specialized engineering area may apply for candidacy in the Master of Science or the Doctor of Philosophy program upon receiving the Bachelor's degree. Some students may undertake graduate or professional study in other fields such as law, business and public administration, city planning, or medical research. Before embarking on such studies, they will decide which level of preparation they want in engineering — Bachelor of Science or professional Master's degree. It is anticipated that most students will continue their education beyond the B.S. degree.

Students may also undertake graduate work in aerospace engineering, nuclear science and engineering, or theoretical and applied mechanics. They may enroll in a limited number of such courses while they are undergraduates.

The College sponsors an Industrial Cooperative Program for students enrolled in mechanical, industrial, and electrical engineering and engineering physics. By utilizing the three summers after the sophomore year, a student may obtain the equivalent of one calendar year in industry, yet still earn his degree without extending his degree program.

Students interested in the College of Engineering should request the Announcement, *Engineering at Cornell*. Detailed descriptions of *both* undergraduate and graduate courses may be found in the *Announcement of the College of Engineering*.

THE NEW YORK STATE COLLEGE OF HOME ECONOMICS

The undergraduate program of the College of Home Economics is designed to give basic course work in the general field of home economics and in the arts and sciences closely related to it. The aim is twofold: to give, through the facilities of the College and the University, a liberal education in the social and natural sciences, the humanities, and the arts; and to provide specialized instruction based upon those disciplines. The College prepares its graduates for those professional careers in which the interests and well-being of the individual, the consumer, and the family are paramount. Because the educational program emphasizes both breadth of knowledge and its application to the solution of human problems, it offers professional or preprofessional training for an increasing variety of positions.



Chimesmistress at the keyboard
in the Library Tower.

Four years of academic work lead to the degree of Bachelor of Science. Requirements for the degree include study in the humanities and in the biological, physical, and social sciences, as well as specified courses in home economics. Electives may be taken in the College of Home Economics and elsewhere in the University.

The program of liberal studies emphasizes those subjects which have aided man to understand himself and the world in which he lives. It provides basic knowledge required for successful professional work in a society that is changing both technologically and sociologically. The specialized studies relate basic knowledge to an understanding of the needs of people with regard to food, shelter, clothing, management of resources, and interpersonal and family relationships.

Subject matter departments in the College include Child Development and Family Relationships, Food and Nutrition, Home Economics Education, Household Economics and Management, Housing and Design, Institution Management, and Textiles and Clothing. Communication Arts, a joint department with the College of Agriculture, offers courses in all branches of communications for students in both colleges.

Graduate study in the College leads to either the Master's or the Doctor's degree. It is offered in all departments. Candidates must qualify for admission to the Graduate School.

Professional opportunities are many and varied. Graduates of the College are employed in teaching at all levels from preschool through college, and in cooperative extension; in business, as home economists in consumer education and services, and in the promotion and testing of such items as foods, textiles, household equipment, and furnishings; in institution food management, hospital dietetics, and nutrition education; in research programs; in social case work and group work, and in the studies of budgets and standards basic to the work of social agencies; in writing, radio, and television. Communication is an important part of many home economics positions as well as being a field of work in itself.

Inquiries about the undergraduate program may be addressed to the Committee on Admissions, College of Home Economics, Martha Van Rensselaer Hall. Requests for information about graduate study may be addressed to the Graduate School, Sage Graduate Center.

THE SCHOOL OF HOTEL ADMINISTRATION

The special program in hotel and restaurant administration gives thorough professional training for careers in the hotel,

restaurant, hospital, and related fields. The curriculum is designed to fit students for positions of executive responsibility.

Besides general cultural material, the course of study includes foods and food preparation, hotel and restaurant engineering and maintenance, general accounting, specialized hotel and restaurant accounting, data processing, food and beverage control, business administration, personnel management, insurance, real estate management, tourism, and advertising. The program is technical in that it requires a concentration of effort in scientific courses necessary for an adequate background in a field where highly skilled personnel must be provided. Yet it is sufficiently broad to allow for optional courses that are of value to those who are looking forward to positions of leadership.

The course of study covers four academic years and leads to the Bachelor of Science degree.

Students receive practical training through the operation of Statler Inn, a practice hotel on the University campus, which includes rooms for transient guests, banquet facilities, service restaurants, and cafeterias.

Requests for further information should be addressed to the School of Hotel Administration, Statler Hall.

THE CORNELL UNIVERSITY-NEW YORK HOSPITAL SCHOOL OF NURSING

The nursing major, which is three academic years in length, is offered at the School of Nursing in New York City. The school is a unit within the complex of the New York Hospital-Cornell Medical Center.

Admission to the nursing major is dependent upon satisfactory completion of sixty semester hours (two years) of courses in general education which may be taken at Cornell University in Ithaca in the College of Arts and Sciences, the College of Home Economics, or the College of Agriculture. The first two years of college may also be completed in any regionally accredited university, college, or junior college.

This five-year program offers preparation for professional nursing and leads to the degree of Bachelor of Science in Nursing. Opportunities are open to graduates in a wide variety of health services at home and abroad.

Requests for further information should be addressed to the Director of Admissions Relations, Cornell University-New York Hospital School of Nursing, 1320 York Avenue, New York, New York 10021.

THE NEW YORK STATE SCHOOL OF INDUSTRIAL AND LABOR RELATIONS

The School of Industrial and Labor Relations offers professional study in its field for both graduate and undergraduate students. The curriculum is designed to prepare young men and women for careers in personnel and union-management relations work with business and industry, labor unions, and both state and federal governments. Undergraduates pursue a curriculum leading to the Bachelor of Science degree, and graduate study leads either to the Master's or to the Doctor's degree.

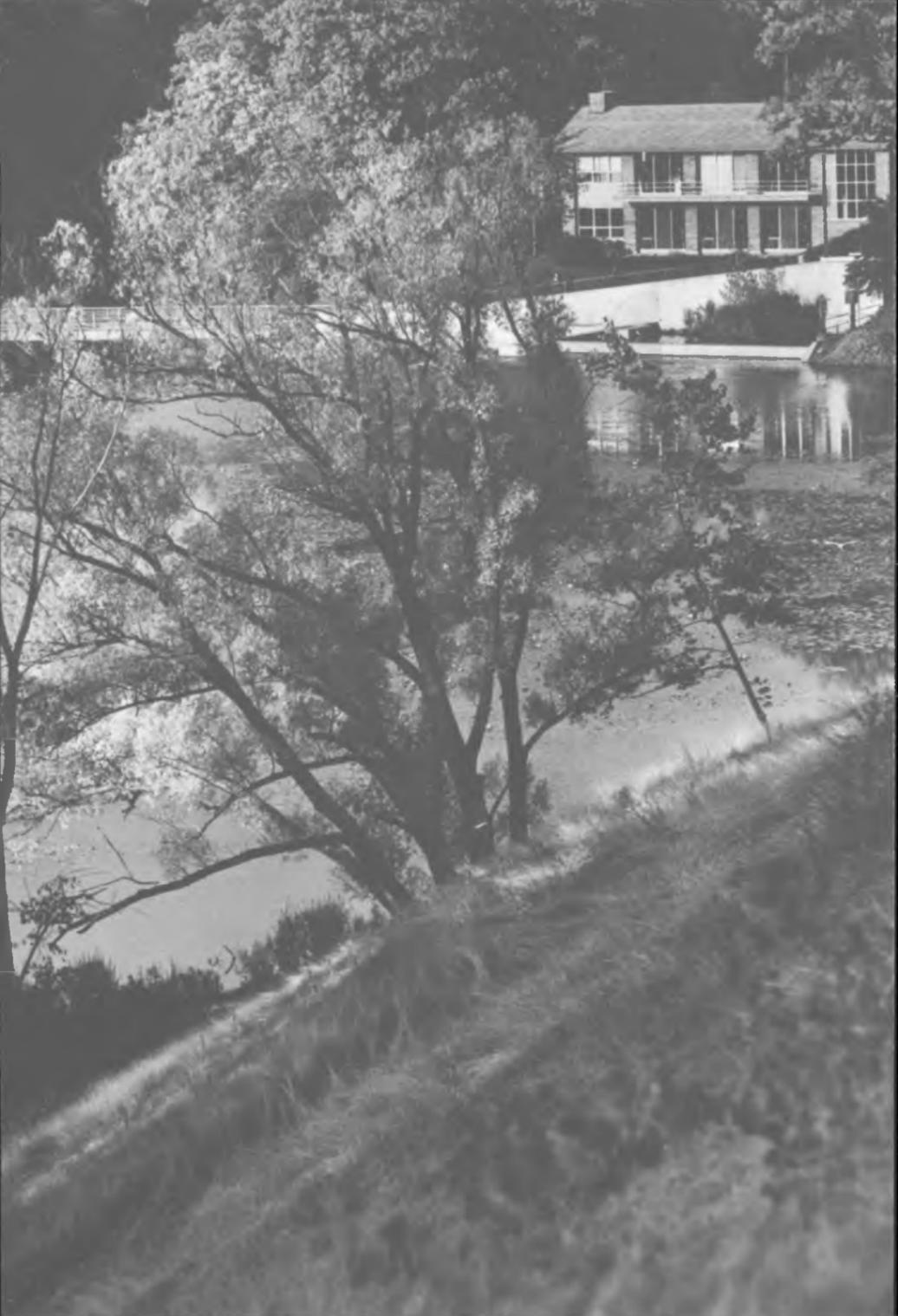
The four-year undergraduate program develops an understanding of urban industrial society by providing a general education in the social sciences, a number of courses designed to produce special competence in industrial relations, and complementary electives in the humanities. The first two years are spent in required courses, half in the School and half elsewhere in the University, mainly in the College of Arts and Sciences. In the upperclass years, students are free to pursue elective courses, again about evenly divided between those given in the School and those offered elsewhere in the University. Choice of advanced ILR electives will reflect the individual student's interests in the offerings of the following departments in the School: Organizational Behavior; Labor Economics and Income Security; Collective Bargaining, Labor Law, and Labor Movements; Economic and Social Statistics; and International and Comparative Labor Relations.

Requests for further information should be addressed to the Director, Office of Resident Instruction, School of Industrial and Labor Relations, 101 Ives Hall.

THE SCHOOL OF EDUCATION

The School of Education provides opportunity for basic and advanced study and research in professional education. Many programs are offered for those who wish to prepare for, or for those who are already engaged in, the teaching profession. On the undergraduate level a program is designed to prepare the student for teaching in the secondary schools; graduate students may prepare for positions as teachers in elementary schools, high schools, or colleges; as school principals, superintendents, or supervisors; as guidance counselors; or for various opportunities in extension work and adult education.

Undergraduate students must be registered in one of the undergraduate colleges, rather than in the School of Education, and



Noyes Lodge, across Beebe Lake from the campus, a favorite place for dining and coffee.

may work toward teaching certification while meeting the degree requirements of their colleges.

Students who wish to become candidates for advanced degrees must meet the entrance requirements of the Graduate School. Graduate study may lead to the Master of Arts, Master of Science, Master of Arts in Teaching, Doctor of Education, or Doctor of Philosophy degrees.

Details of admission, curricula, and opportunities are discussed in the *Announcement of the School of Education*. Requests for further information should be addressed to the Dean of the School of Education, Stone Hall.

THE GRADUATE SCHOOL

The Graduate School offers facilities for advanced study and research to mature students who wish to receive advanced professional training and to become scholars in the broad sense of the term.

Graduate study is necessarily a highly individual process. The transmission of scholarly enthusiasm and independence from one generation of scholars to another is not assured by a system of regulations and requirements. The faculty regards a person-to-person relationship between the student and his Special Committee or Adviser as the best way for the student to reach scholarly maturity. In consequence, the faculty makes no specific requirements for the advanced general degrees of Master of Arts, Master of Science, and Doctor of Philosophy, but only such general requirements as govern the relationships which, in its considered judgment, best accomplish the aim of graduate study: a period of study in residence, the mastery of some one subject, adequate acquaintance with allied subjects, presentation of a satisfactory thesis, and oral examinations.

The Graduate School faculty, as a unit, exercises sole jurisdiction over these advanced *general degrees*. It also has jurisdiction over many of the professional degrees offered by the University. Information concerning qualifications for admission and the courses of study for professional degrees may be obtained from the separate colleges of the University administering them.

Students who may wish to use the facilities of the University for intensive specialized training but who are not interested in advanced degrees may be admitted as non-candidates under the general supervision of the Graduate School.

To be admitted to the Graduate School an applicant must (1) hold a baccalaureate degree from a college or university of recognized standing or have had work equivalent to that required for

such a degree; (2) show promise, as judged by his previous record, of ability to pursue advanced study and research satisfactorily (class standing in the top one-third is considered minimal); and (3) have had adequate preparation to enter graduate study in his chosen field. Despite very good academic records, however, some applicants may be refused admission because of the limited staff and facilities in some fields in relation to the number of well-qualified applicants.

Inquiries about admission and fellowships should be addressed to the Dean of the Graduate School, Sage Graduate Center. Inquiries regarding facilities for advanced study and research in a given field, special requirements for such study and research, and opportunities for part-time employment in teaching and research may be addressed to a member of the faculty in the particular field (see the *Announcement of the Graduate School*) or to the Dean.

THE LAW SCHOOL

The primary function of the Law School is to prepare attorneys for both public and private practice who are equipped to render skillful professional service and who are thoroughly conscious of the important role played by the law as a means of social control. The curriculum is designed to prepare students for admission to the bar in all American states and territories.

A student who is admitted to the Law School must have a Bachelor's degree from an approved college or university. The Law School and the Graduate School of Business and Public Administration have developed a program for combining a law school education with training in either business or public administration, according to a student's election, leading to the completion of work in the two fields and the award of two degrees in four rather than five years. Applicants for admission to this combined program must make a separate application to both schools and be approved by both.

The course of study leading to the degree of Bachelor of Laws covers three academic years. A limited number of students will be admitted to a program of study leading to the degree of Bachelor of Laws with specialization in international affairs. Study at the graduate level, leading to the degrees of Master of Laws and Doctor of the Science of Law, is conducted in the Graduate School under the direction of the Law School. Candidacy for the degree of Master of Laws is open to those who have earned the degree of Bachelor of Laws and who have decided upon a specialty. Work leading to the degree of Doctor of the

Science of Law is planned mainly for those who wish to teach law and who have already received a Bachelor of Laws degree.

Requests for further information should be addressed to the Law School, Myron Taylor Hall, for the attention of the Director of Admissions of the School.

THE MEDICAL COLLEGE

Cornell University Medical College is located at the center of a large complex of medical teaching, research, and treatment institutions on the east side of Manhattan in New York City.

The Medical College offers a four-year course of graduate instruction leading to the degree of Doctor of Medicine and qualifying graduates for licensing examinations in all states and territories of the United States. Applicants for admission to the Medical College must be graduates of approved universities, colleges, or scientific schools. In general, the first two years are devoted to study of the basic sciences of anatomy, microbiology, pathology, physiology, biochemistry, public health, and pharmacology, while the last two years present training in the clinical sciences of internal medicine, surgery, pediatrics, psychiatry, and obstetrics and gynecology.

Cornell University Medical College is a partner in The New York Hospital-Cornell Medical Center. The Medical College utilizes the clinical facilities of The New York Hospital, Memorial Sloan-Kettering Cancer Center, James Ewing Hospital, and The Hospital for Special Surgery in its teaching programs. Requests for information should be addressed to the Chairman, Admissions Committee, Cornell University Medical College, 1300 York Avenue, New York, New York 10021.

The Graduate School of Medical Sciences

Graduate study leading to the degrees of Master of Science and Doctor of Philosophy is offered to a limited number of students in the Graduate School of Medical Sciences. The basic science fields in which the students work are anatomy, biochemistry, biology, biomathematics, biophysics, immunology, microbiology, pathology, physiology, preventive medicine, and virology. The Graduate School of Medical Sciences is located in Cornell University Medical College, and the Sloan-Kettering Division of the School is located in the near-by Sloan-Kettering Institute for Cancer Research. Requests for information should be addressed to the Office of the Graduate School of Medical Sciences, Cornell University Medical College, 1300 York Avenue, New York, New York 10021.



Sage Graduate Center, headquarters of the graduate school and also a graduate student residence hall.

THE GRADUATE SCHOOL OF BUSINESS AND PUBLIC ADMINISTRATION

The objective of the Graduate School of Business and Public Administration is to prepare men and women, through interdisciplinary studies at the graduate level, for administrative careers in private business and public service. Accordingly, the School offers work in many disciplines to provide the potential business or public executive with an understanding of the complexities of the external environment in which he will operate and of the internal workings of the organization of which he will become a part. Although the knowledge and analytical ability a successful executive must possess will be developed in part from the constant challenge and stimulation of experience, education in business or public administration can establish a sound basis for acquiring such knowledge and analytical ability and can accelerate understanding of the administrative environment.

Except as outlined in the Announcement of the School, a Bachelor's degree is required for admission to the two-year program leading to the Master of Business Administration or Master of Public Administration degree. Generally, about two-thirds of the students have a background of undergraduate studies in arts or sciences, and about one-quarter have studied engineering.

After completing the basic program, the M.B.A. candidate may elect a program of concentration in industrial accounting, professional accounting, finance, international business operations, managerial economics, marketing, personnel management, production and operations management, quantitative analysis for managerial decision making, or transportation. The M.P.A. candidate may elect a concentration in economic analysis and public policy, general public administration and policy formulation, international development and foreign operations, metropolitan and urban studies, or organizational theory and behavior. Candidates for either the M.B.A. or M.P.A. degree may also elect a concentration in hospital and health services administration, to be taken, essentially, in the Sloan Institute of Hospital Administration, an integral part of the Graduate School of Business and Public Administration. In addition, special programs, including combinations of work in the areas listed above, and study at the graduate level in other divisions of the University, are also available. The content of the individual student's program is determined by him in consultation with his adviser.

Through the program in administration and law, organized by this School and the Cornell Law School, a student may obtain the M.B.A. or M.P.A. degree and the LL.B. degree in four years.

The Doctor of Philosophy program provides an advanced and

comprehensive education in administration, primarily for those who seek careers in teaching or research. Applicants must meet the entrance requirements of the Graduate School.

The School publishes the *Administrative Science Quarterly*, a scholarly journal concerned with advancing the basic understanding of administration through empirical investigation and theoretical analysis. It also publishes books and monographs on various aspects of administration and policy.

Through its Executive Development Program, the School offers an intensive six-week course of study designed for executives in business firms and governmental agencies. Development programs are also offered for hospital administrators and agribusiness executives. The School administers, with Ford Foundation support, the Latin American Internship Program in Business and Public Affairs.

Malott Hall (1964), which houses the School, was designed to meet the specialized requirements of graduate education in administration.

Requests for further information should be addressed to the Director of Admissions and Student Affairs, Graduate School of Business and Public Administration, Malott Hall.

THE GRADUATE SCHOOL OF NUTRITION

The Graduate School of Nutrition offers academic and research programs in nutrition and food science, leading to the professional degrees, Master of Nutritional Science (M.N.S.) and Master of Food Science (M.F.S.). These programs emphasize fundamental study in the basic sciences that can lead to specialization in such fields as nutritional biochemistry, public health nutrition, human and clinical nutrition, international nutrition, and food science.

The professional degree programs are planned as preparation for students to enter a career upon graduation. In addition, however, for candidates interested in the biological sciences, these programs serve as a valuable preliminary for study toward the Ph.D. degree.

Applicants for admission to the School must hold a baccalaureate degree from a college or university of recognized standing. Requests for further information should be addressed to the Secretary, Graduate School of Nutrition, Savage Hall.

THE NEW YORK STATE VETERINARY COLLEGE

The Veterinary College curriculum, which requires four academic years, provides a broad biological background in the science and

art of veterinary medicine. Training includes instruction in the normal and abnormal structure and the functions of the animal body, in diagnosis, prevention, and treatment of animal diseases, and in matters that pertain to public health. Upon completion of the prescribed course of study, the degree of Doctor of Veterinary Medicine is awarded. This degree is recognized by the licensing boards of all states and territories of the United States and by similar agencies in many foreign countries. Graduates may enter private practice, salaried work with state or federal agencies and private corporations, or research and teaching in a variety of institutions.

Work at the graduate level leading to the degrees of Master of Science, Doctor of Science in Veterinary Medicine, and Doctor of Philosophy is offered in accordance with the regulations of the Graduate School.

Requirements for admission to the college include two years of college work with credits in several specified subjects and satisfaction of a farm practice requirement (not required of women). Students are selected on the basis of scholastic ability and vocational motivation. Since the college is state-supported, preference is given to New York State residents who qualify for admission.

Those who are interested in applying for admission should request a copy of the *Announcement of the New York State Veterinary College*.

THE DIVISION OF UNCLASSIFIED STUDENTS

The Division of Unclassified Students is designed to assist the potentially able student whose basic interests and aptitudes lie outside the course in which he originally enrolled. Any student who has been in residence as a candidate for a degree in any of the colleges or schools of the University may apply for admission. Only the student who has a reasonable prospect of achieving his new goal is accepted.

The Division accepts applications for either semester. The student who feels that he is misplaced or is uncertain of his objective should consult the Director early in his college career.

Application should be made at the Office of the Director in 158 Olin Hall before August 1 for the fall term and before January 1 for the spring term. In addition, the student must notify the Registrar of his desire to transfer.

All students admitted remain under the direct supervision of the Director who serves as their faculty adviser. An unclassified student may elect courses for which he is qualified in any division of the University, subject to the usual limitations on enrollment.

A student registered in the Division may apply for admission to any undergraduate college or school of the University.

Registration in the Division is on a semester basis. One semester is usually a sufficient period in which to determine a student's fitness for the newly chosen course. A second term of registration may be permitted in a few instances in which definite progress has been made and when more time is necessary to meet basic requirements for transfer. If at the end of two terms the student has not been accepted by another school or college on the campus, he may not reregister in the Division of Unclassified Students.

The Administrative Committee of the Division has the same authority with respect to its students as have the corresponding committees in the other divisions of the University. Students in the Division are regular students in the University; they may participate in extracurricular activities and enjoy all the usual rights and privileges of other students.

THE DIVISION OF SUMMER SESSION AND EXTRAMURAL COURSES

Cornell University provides opportunity, through the Division of Summer Session and Extramural Courses, for students to engage in formal and informal study outside the period of the regular fall and spring terms of the academic year and/or through part-time study. Such study may be to meet requirements for academic degrees, to satisfy such personal needs as preparation for entrance and advancement in employment, to serve avocational and cultural interests, and for other purposes involving college-level participation. This opportunity is available at both the undergraduate and graduate levels.

THE SUMMER SESSION. A variety of programs in terms of both purpose and duration are available within the period following the end of the regular academic year in June and the beginning of the fall term in September. These involve the faculties and facilities of the various schools and colleges of the University. In addition to the formal courses characteristic of the academic-year terms, specially designed programs serve the needs of special groups by means of institutes, conferences, informal study, and seminars. All the necessary facilities of the University are available to persons registered in the Summer Session. Students enjoy the attractive summertime environment of the University's location in the Finger Lakes region.

EXTRAMURAL COURSES. Through this means of registration, the University seeks to serve those who are employed in the

professions, in business and industry, in public service, and otherwise, whose available time does not permit full-time study. Students are admitted to courses on the basis of their qualifications to do the work required in each specific course. Normally a registration may not exceed a total of seven credit hours in a single term. This opportunity is available in two forms: (a) courses in off-campus centers, located to suit the convenience of a sufficient number of students to warrant the offering; and (b) registration in on-campus courses as scheduled for the regular full-time students. All such courses carry the same credit as for the full-time student.

Requests for additional information about either the Summer Session or Extramural Courses should be addressed to the Director, Summer Session and Extramural Courses, Ives Hall.

OFFICER EDUCATION

As a land-grant institution chartered under the Morrill Act of 1862, Cornell has offered instruction in military science for more than ninety years. It provides this instruction through the Reserve Officers' Training Corps programs of the three military departments, the Army, the Navy, and the Air Force.

The ROTC programs offer a male student the opportunity to earn a commission while he is completing his education, thus enabling him to fulfill his military commitment as an officer rather than through the draft, or to become qualified for a career in the service of his choice. To obtain a commission in one of the armed services, a student must complete a two-year or a four-year course of study in an ROTC program and must meet certain physical standards. Upon graduation he receives a commission and serves a required tour of active military service.

Participation in ROTC is voluntary. Interested students should preferably enroll in the fall of the freshman year, since openings in the two-year program may be restricted, depending on conditions at any particular time.

Further information is given in the *Announcement of Officer Education*, which may be obtained by writing to Cornell University Announcements, Edmund Ezra Day Hall.

ADMISSION TO CORNELL

The first step toward entering an undergraduate college or school is to write to the University Office of Admissions, Edmund Ezra Day Hall, for an application form. Correspondence regarding



The esplanade before the Clark Hall of Science.

entrance to the Graduate School, the Law School, the Medical College, the School of Nursing, the Graduate School of Nutrition, the Graduate School of Business and Public Administration, and the Graduate School of Aerospace Engineering should be addressed to the heads of those divisions.

GENERAL ADMISSION POLICY

Of Cornell University's fifteen colleges and schools, eight offer instruction at the undergraduate level: the Colleges of Agriculture, Architecture, Arts and Sciences, Engineering, and Home Economics; the Veterinary College; and the Schools of Hotel Administration and Industrial and Labor Relations. Each of these divisions is limited in the number of students it can accommodate. The number of applicants with minimum qualifications exceeds the number that can be admitted, and that creates a highly competitive situation among candidates. Selected each year are those who, in competition with others seeking admission at the same time, have best demonstrated by their superior qualifications that they deserve acceptance. It should be clearly understood that each candidate competes only with those seeking entrance to the same division of the University, and that the professional divisions in particular must restrict their selections to those who, having met all other qualifications, appear well fitted for the particular field of work to which the course of study is directed.

Transfer from one division to another after enrollment may be difficult for two reasons: (1) different divisions have different admission requirements, and a student acceptable to one is not necessarily acceptable to another; and (2) the total enrollment in any one division is limited. Transfer into the College of Arts and Sciences is especially affected by these restrictions and may not be accomplished until one year after matriculation. The selection of the proper college course is therefore most important. A candidate should make his choice only after careful thought, investigation, and consultation with those familiar with his abilities and interests. Secondary school advisers should definitely be consulted. The Cornell Office of Admissions, also, is always ready to help prospective applicants.

The University welcomes applications for admission from all those who are interested in studying at Cornell, regardless of race, religion, creed, or nationality.

Scholarship

As an educational institution, Cornell University is devoted primarily to the intellectual development of its student body. Those selected for admission must have demonstrated, without question, through their previous schooling, the intellectual capacity to carry the classroom work and to profit from the instruction offered in the division of the University to which application is made. Intellectual preparedness for study at Cornell is judged by the candidate's secondary school record, the recommendations of school authorities, and the tests of the College Entrance Examination Board.

Extracurricular Activities

To supplement but not replace the basic requirement of demonstrated intellectual capability, evidence of the candidate's ability to make effective use of his free time is an important consideration in admissions decisions. This factor is judged by the character and quality of the student's participation in the extracurricular activities associated with his school and his community, and by the use he has made of summer vacations. Work experience which is related to the candidate's educational objective is particularly valuable.

Character, Personality, and Motivation

The intangible but important factors which form good character and an effective personality all receive full consideration by the selection committee. Evidence of a sound motivation for attaining higher education in general and for pursuing a specific field of education is also desirable. Capacity for leadership and concern for others receive due weight. Those factors are usually judged by the report from the applicant's secondary school and by interview reports, when available. Some University divisions require interviews, whereas in others the need for an interview is left up to the applicant. Interviews are also conducted by alumni secondary school committees, operating in many sections of the country; such contacts are often helpful in providing the candidate with additional information about Cornell.

Geographical Distribution

Cornell University draws its students from all parts of the United States and about 85 foreign countries. The University is proud

of the cosmopolitan and democratic makeup of its student body, believes in the educational values inherent in bringing to the campus persons of widely different backgrounds, and directs its admissions policies to the furtherance of these objectives.

The New York State-supported divisions of Agriculture, Home Economics, Industrial and Labor Relations, and Veterinary Medicine recognize these same values within their student bodies and encourage applications from well-qualified out-of-state students. The bulk of their candidates are, however, selected from among applicants resident in New York State.

The endowed divisions—Arts and Sciences, Architecture, Engineering, and Hotel Administration—impose no restrictions as to residence. In choosing from among candidates of approximately equal qualifications, some preference may be given to those whose homes are in areas not adequately represented in the student body.

Children of Alumni

The University desires to include in the student body the children of its alumni who are qualified for admission. In choosing between candidates of approximately equal qualifications, including scholarship, extracurricular activities, character, personality, and motivation, as described above, the son or daughter of an alumnus may receive preference.

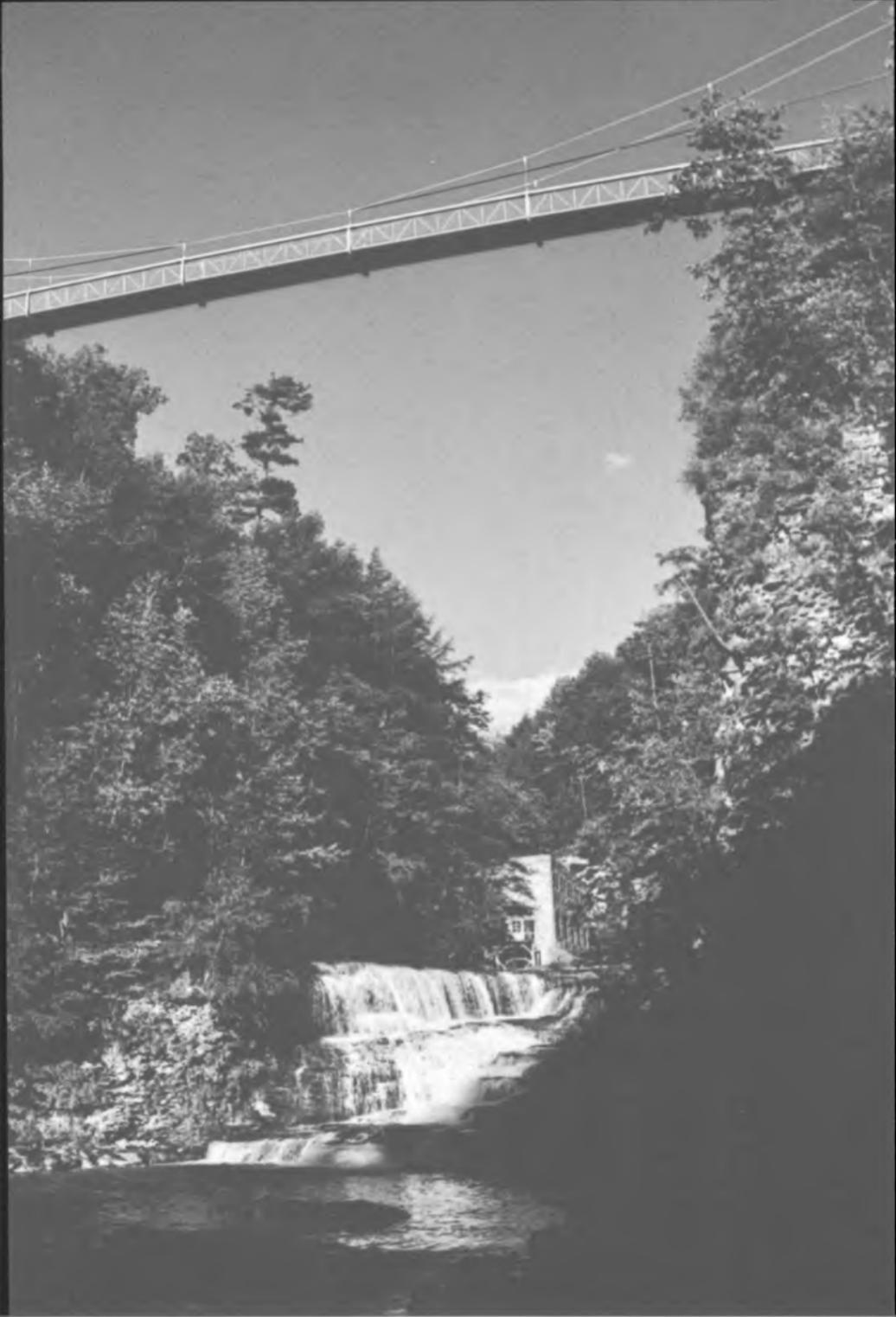
Women Students

The total number of women students at Cornell is fixed by the extent of the facilities provided by the University for the housing of women students. Present facilities are such that the number of women admitted each year must be very definitely restricted, with the result that competition for admission is especially severe for women applicants.

ADMISSION PROCEDURE

Admission and Financial Aid Applications

The Cornell admission application form furnishes the University with a wide variety of information concerning the candidate, including his academic record and achievements, family background, work experience, and activities. It also includes a special form for those who wish to apply for financial aid. Following submission of his application, the candidate receives from the University an additional form, known as the Secondary School



The suspension bridge and Fall Creek Gorge at the northern edge of the campus.

Report, which should be taken to the proper school authorities for completion. That official report, relating to the candidate's intellectual ability, character, and academic record, will be submitted directly to Cornell by the school.

General Requirements

A candidate for admission as a freshman must satisfactorily complete secondary school subjects carrying a value of at least sixteen entrance units, except that those applying to the College of Home Economics are required to have eighteen units. The subjects in which these units may be offered, the number of units that may be credited in each subject, and the units required in specific subjects by the several divisions of the University are listed in detail on pages 37-45. Those pages should be carefully studied by every prospective student.

To enter Cornell, a student must be at least sixteen years old and have a satisfactory knowledge of the subjects required for admission. That knowledge may be demonstrated in two ways: by presenting an acceptable school record, and by presenting acceptable ratings in tests given by the College Entrance Examination Board as specified in consultation with the Cornell Office of Admissions. (See the section "Entrance Subjects and Units," page 42.)

Application Due Dates

Applications for admission and financial aid in September, 1968, should be submitted by January 1, 1968, if at all possible. Assembling complete records for all candidates takes considerable time, and the careful review of applications is a long, detailed process. This January 1 date has been set to provide adequate time to process and review applications. (See also "Financial Aid," pages 47-48.)

Some prospective students, however, may not find it possible to have their applications on file by January 1, as recommended above. Hence some leeway has been provided in the schedule as follows:

ARCHITECTURE AND ARTS AND SCIENCES: January 15 is the final due date, after which no further applications can be considered.

ENGINEERING, HOME ECONOMICS, INDUSTRIAL AND LABOR RELATIONS, AND VETERINARY MEDICINE: February 15 is the final due date, after which no further applications can be considered.

AGRICULTURE AND HOTEL ADMINISTRATION: March 15 is the due

date after which no further applications can be considered except as noted below.*

Early Decision

All divisions of Cornell that admit students directly after their high school graduation, except the College of Architecture and the School of Industrial and Labor Relations, offer an Early Decision Plan to a limited number of highly qualified male high school seniors. Under the plan, these senior men submit their applications to Cornell by November 1 of their senior year, and they are notified of the University's decision by December 15. Only those senior men whose choice of college is clearly Cornell, and whose past academic performance, scores on the junior-year scholastic aptitude test of the College Entrance Examination Board, personal qualities, and school recommendations are all superior are likely to qualify for favorable consideration. All qualified candidates should write to the University Office of Admissions for additional information about this program.

Interviews

Admission interviews are required by five divisions of the University — the College of Architecture, Art, and Planning, the College of Home Economics, the School of Hotel Administration, the School of Industrial and Labor Relations, and the Veterinary College. Further information can be found in the Announcements of those divisions.

For applicants to Agriculture, Arts and Sciences, and Engineering who visit Cornell, on-campus interviewing is conducted. Interview periods are weekdays from 10 A.M. to 12 noon and 2 to 4 P.M., on a year-round basis (except holidays), and Saturday mornings from 10 A.M. to 12 noon (except during the summer). Those planning to come for interviews are requested to write to the Admissions Office, 247 Day Hall, being sure to specify the college of their interest and the preferred date and time of their visit. To facilitate scheduling, it is strongly urged that such requests be made at least two weeks prior to the intended visit.

* Late applications will be accepted for these divisions if places in their respective classes remain to be filled, and if requests for such applications are approved by the divisions concerned. A student who wishes a late application should explain in a letter why the request is being made late. Such letters should be addressed as follows: Agriculture: Professor L. H. Harden, 195 Roberts Hall; Hotel Administration: Mr. D. C. Dunn, 138 Statler Hall.

Selection Process and Notification

Admission to each separate division of Cornell University is based on a careful review of all credentials presented on behalf of a candidate and is on a competitive basis. A committee in the school or college to which the candidate has applied selects those it considers best qualified from among all who have applied for that division.

Four divisions of the University — Agriculture, Engineering, Hotel Administration, and Veterinary Medicine — follow a policy of "rolling admissions." Decisions are reported to applicants over a period of time, with some letters going out as early as February 1, but the great bulk of them during March and the first half of April. The selection committee in each of these divisions will have a large number of applications to review, and the fact that some applicants will hear from Cornell considerably later than others is likely to mean simply that consideration of their applications has been delayed by the time-consuming nature of the process. In short, one should not infer that relatively late notification has anything to do with how Cornell regards the quality of the applicant.

Applicants for Architecture, Arts and Sciences, Home Economics, and Industrial and Labor Relations are all advised of the outcome at the same time; notices are mailed about mid-April.

Most financial aid notification announcements are also mailed about mid-April to candidates for all divisions.

Every candidate for admission to an undergraduate course who receives notice of approval of his application must pay a registration fee (see the section "Other Fees and Deposits," page 66). Each such candidate will be advised of the due date of this fee at the time an approval notice is sent to him. The registration fee covers matriculation charges and certain graduation expenses, and establishes a fund for undergraduate and alumni class activities.

If a candidate withdraws before the due date of his registration fee, the fee will be refunded. No refund will be made to an applicant who withdraws after the due date of the fee; in such case the whole fee will be retained by the University in payment of its costs and intangible losses resulting from the withdrawal.

SUBJECT AND TEST REQUIREMENTS

Agriculture, B.S., four years

Sixteen units representing completion of a secondary school course which must include English, four units; and college preparatory

mathematics, three units are required. It is strongly recommended that high school students carry enough courses to offer eighteen entrance units and that these include biology, chemistry, and physics.

The Scholastic Aptitude Test and the Writing Sample of the College Entrance Examination Board are also required. Applicants are encouraged to complete College Board Achievement Tests in two of the following: English composition, mathematics, science.

A special one-year course is also available in the College. For details consult the *Announcement of the New York State College of Agriculture*.

Agricultural Engineering, B.S.

Applicants for this professional engineering program must satisfy the entrance requirements of both Agriculture (above) and Engineering (page 41). For the first three years the student is registered in the College of Agriculture and for the fourth year in the College of Engineering.

Architecture, B.Arch., five years; B.F.A., four years

All candidates for admission to the Departments of Architecture and Art must take the Scholastic Aptitude Test of the College Entrance Examination Board.

Three years of a foreign language, ancient or modern, are required for entrance. Candidates who have fewer than three years of preparation in a foreign language, but who make satisfactory scores on the Achievement Test, will meet the requirement. When the required language credit is not offered for admission, a letter of explanation of this deficiency must be sent to the committee on admissions for its consideration. If the applicant is admitted, the language requirement must be satisfied before graduation. If an applicant plans to continue, in college, the study of a language he has already begun, the College advises him to take the College Entrance Examination Board Achievement Test in that language, for placement in the proper course. Three college credits in a language are considered, for the purpose of making up the entrance requirement while in college, to be equivalent to one year of high school language credit.

Candidates for admission to the Department of Architecture must demonstrate satisfactory knowledge of these subjects:

ARCHITECTURE (B.ARCH.). Sixteen units including English, four;

mathematics, four; foreign language, three (see above) are required.

Mathematics must include intermediate algebra, plane geometry, and trigonometry, taken either as separate courses or included within comprehensive mathematics courses.

An acceptable course in physics, taken either in secondary school or in college, is required for graduation.

The program in architecture is purely professional in objective. Only those who are seriously interested in careers in architecture should make application for admission. Every candidate for admission is advised to read professional literature, visit professional offices, talk with students of architecture or recent graduates, and otherwise inform himself about the field. It is usually wise to resolve serious doubts in favor of starting with a program of general education.

ART (B.F.A.). Sixteen units including English, four; college preparatory mathematics, two; foreign language, three (see above) are required. Remaining units should, in the main, consist of science and social studies (including history).

Arts and Sciences, A.B., four years

Sixteen units of entrance credit are required. The sixteen units are to include four years of English; three years of college preparatory mathematics; and three years of a foreign language (ancient or modern). A student who can offer only two years or fewer of a foreign language but who has a school record of high quality, should not hesitate to apply but should attach a letter to his application form stating the reason for this deficiency. The remaining units should be chosen from laboratory science (at least one unit of biology, chemistry, or physics), social studies (at least one unit of history, government, or geography), and further work in mathematics and foreign language. Whenever possible, these minimum sixteen units should be supplemented by additional courses in similar academic subjects.

Each candidate for admission is required to take, by January of the senior year, the College Board Scholastic Aptitude Test and the College Board Achievement Test in English composition. Other achievement tests of the candidate's choice are encouraged but not required.

Although *not required for admissions consideration* a College Board Achievement Test should be taken, prior to entering Cornell, in any language which the student has had in high school and expects to continue at Cornell. Because such a language test score is needed *for placement in language courses*, the test should



Working on a still life in a painting class.

be taken late in the senior year — in March, May, or even July.

The College of Arts and Sciences has a substantial language requirement for its degree. If a student will be entering with two or more years of some language which he wishes to use toward fulfilling this requirement, he should also take the Achievement Test in that language even though he does not plan to continue it in college. This score will determine whether in the tested language he has met part of the requirement for graduation. (See the *Announcement of the College of Arts and Sciences* for further details.)

Engineering

Two-year Basic Program followed by two years leading to a Bachelor of Science degree; one additional year for the professional Master's degree in the appropriate field.

Sixteen units are required, including English, four units; one foreign language, two units; history, two units; elementary and intermediate algebra, two units; plane geometry, one unit; trigonometry, one-half unit; either advanced algebra, one-half unit, or solid geometry, one-half unit; chemistry, one unit; and physics, one unit. It is recommended that the candidate offer advanced algebra, if possible, and that at least three of the elective units offered be in further study in language or history. The mathematics units listed above may be taken as separate courses or may be included in four units of comprehensive college preparatory mathematics. The Scholastic Aptitude Test of the College Entrance Examination Board is required.

All candidates must take, no later than in January of the senior year, College Entrance Examination Board Achievement Tests in mathematics (either Level I or Level II), and in chemistry or physics. Applicants seeking advanced placement for college credit should take the College Board Advanced Placement Examination in mathematics in May of the senior year.

Home Economics, B.S., four years

Because students in the College normally carry five or six subjects each semester, it is required that students carry enough courses in high school to offer eighteen college entrance units; at least sixteen of these units should be in English, foreign language, mathematics, science, and social studies. (See also page 43.)

Because all students in the College of Home Economics must take college courses in the biological and physical sciences, it is required that the following be taken in high school: biology, one unit; mathematics, three units; chemistry or physics, one unit; and, in addition, English, four units.

The Scholastic Aptitude Test of the College Entrance Examination Board is required. Candidates will be considered for admission only if they achieve *two* of the following in their secondary school work: (1) a high school average of at least 85 percent at the end of the seventh semester of the high school course; (2) a scholastic rating in the upper two-fifths of the graduating class at the end of the seventh semester; (3) a score of 500 or above on the verbal section of the Scholastic Aptitude Test of the College Entrance Examination Board.

Hotel Administration, B.S., four years

Sixteen units are required. These must include English, four units; mathematics, three units; and science, one unit (chemistry or physics preferred in that order). The remaining units should include additional mathematics and sciences, social sciences, and a foreign language. The Scholastic Aptitude Test of the College Entrance Examination Board is required.

Industrial and Labor Relations, B.S., four years

Sixteen units, including four units of English are required. The remaining twelve units should consist of college preparatory courses such as foreign language (ancient or modern), history, mathematics, science, and social studies. The Scholastic Aptitude Test of the College Entrance Examination Board is required. Candidates are encouraged but not required to present results of College Board Achievement Tests in English composition and in mathematics. In addition, each applicant is required to submit with his application a 500-word statement (preferably typewritten), indicating the basis for his interest in the field of industrial and labor relations.

Veterinary Medicine, D.V.M., four years

Satisfactory completion of two years' study in an approved college or university is required for entrance. The two years of study must include English, six hours; physics, six hours; biology or zoology, six hours; and chemistry, twelve hours including organic chemistry. See the *Announcement of the New York State Veterinary College*.

ENTRANCE SUBJECTS AND UNITS

Listed below are the subjects that may be offered to satisfy

entrance requirements, in addition to those specified in the sections above, and the number of entrance units that may be credited in each subject. A unit represents a year of study in a given subject in a secondary school. Ordinarily, it takes 120 hours of classroom work to satisfy the requirements of a year's study, that is, a minimum of 160 class periods if each period is 45 minutes long. Two hours of laboratory are considered equivalent to one hour of classroom work. In drawing and industrial arts, 240 hours are required to earn one unit and 120 hours to earn one half-unit.

ENTRANCE SUBJECTS

ENGLISH, 4 years (required of all entering students) 4

FOREIGN LANGUAGES (modern and ancient) 1, 2, 3, or 4
 (If it is planned to present a foreign language for entrance credit, it is desirable to present at least three years, although credit will be granted for a single year of study in not more than two languages.)

MATHEMATICS

- | | |
|------------------------------|------------------------------|
| Elementary algebra 1 | Plane geometry 1 |
| Intermediate algebra 1 | Solid geometry 1/2 |
| Advanced algebra 1/2 | Plane trigonometry 1/2 |

Or (for schools following the recommendations of the College Board Commission on mathematics):

College preparatory mathematics 1, 2, 3, or 4

SCIENCES

- | | |
|-------------------------|---------------------------|
| Biology 1 | Earth science 1/2-1 |
| Botany 1/2-1 | Physics 1 |
| Chemistry 1 | Zoology 1/2-1 |
| General science 1 | |

(If a unit in biology is offered, a half-unit in botany and a half-unit in zoology may not be counted.)

HISTORY, including social studies (each course) 1/2-1

VOCATIONAL SUBJECTS

- | | |
|-------------------------|-----------------------------|
| Agriculture 1/2-7 | Home economics 1/2-2 |
| Bookkeeping 1/2-1 | Industrial arts 1/2-1 |
| Drawing 1/2-1 | |

ELECTIVES: any high school subject or subjects not already used and acceptable to the University 1/2-2

ENTRANCE UNIT CREDIT

In the section "Subject and Test Requirements," on pages 37-42, the number of entrance units for each Cornell division is prescribed, with some subjects either recommended or definitely



Ives Hall as seen from the Industrial and Labor Relations Quadrangle.

required. To be eligible for consideration by the selection committee, a candidate must demonstrate satisfactory knowledge of the subjects required; the secondary school record is usually the principal factor in determining this eligibility.

Entrance unit credit will be granted only in those subjects in which the candidate attains the college recommending mark of the secondary school, except in a sequence course such as English or a language, in which case credit for the full sequence will depend upon attaining the college recommending mark of the school in the final year of the sequence.

Failure to reach the recommending mark in a subject may be overcome by repetition of the course, by completing the appropriate College Entrance Examination Board Achievement Test at a satisfactory level, or, if the candidate has prepared for college in New York State, by an acceptable grade on the appropriate State Regents examination.

The Regents Examinations, prepared by the New York State Education Department, are not required by any division of the University. They are particularly desired, however, of applicants from New York State who are candidates for admission to the College of Agriculture or the School of Industrial and Labor Relations, and they are useful in the evaluation of candidates for the other divisions as well.

ADVANCED PLACEMENT FOR ENTERING FRESHMEN

Prospective entering freshmen who have taken college-level courses in secondary school have the opportunity to qualify for advanced placement (and often for advanced standing credit) in these areas of study: biological sciences, chemistry, English, history, Latin, literature, mathematics, modern foreign languages, music, and physics.

In general those who wish to be considered for advanced placement or credit should plan to take the appropriate Advanced Placement Examination(s) of the College Entrance Examination Board in May. Some of the departments listed above offer their own examinations at entrance, however, as an alternative or supplementary method of seeking advanced placement or credit.

Details about this program are contained in a leaflet entitled *Advanced Placement of Freshmen at Cornell University*, which is available on request from the Office of Admissions.

COLLEGE ENTRANCE EXAMINATION BOARD TESTS

College Board test requirements are listed specifically for fresh-

man candidates in the section "Subject and Test Requirements," pages 37-42.

Candidates are urged to take the Scholastic Aptitude Test in December, but no later than January in any case, for fall entrance. They should request the College Entrance Examination Board to send their test scores to the University Office of Admissions, Edmund Ezra Day Hall, Cornell University.

Candidates may make application for these tests either through their schools or by writing directly to the College Entrance Examination Board at Box 592, Princeton, New Jersey 08540, or Box 1025, Berkeley, California 94701.

ADMISSION OF TRANSFER STUDENTS

A student who has attended another college or university and wishes to transfer to an undergraduate course at Cornell uses the same application form as a prospective entering freshman; the same application due dates stated on page 35 are applicable for entrance in the fall term with the exception of the College of Engineering and the School of Industrial and Labor Relations, which will accept transfer applications until April 15. Although all divisions of the University accept a limited number of transfers for the fall term, only Agriculture, Engineering, Hotel Administration, and Industrial and Labor Relations consider applications for the spring term. For entrance in those schools in the spring term an application should be filed during October or November with a deadline date of December 1.

Each applicant will be asked to furnish secondary school academic credentials on a standard secondary school report form, which will be sent to the applicant for transmittal to his high school as soon as the formal application for admission has been received by the Office of Admissions.

Transfer applicants should also be prepared to furnish transcripts of all work completed at the college level. For students wishing to be admitted in *September*, the transcript should include work taken the prior fall term plus a listing of courses being taken during the spring term. For students wishing to be admitted in *January (spring term)*, the transcript should include work taken through and including the previous summer, plus a listing of courses being taken during the fall term.

Admitted transfer students will be required to submit a transcript of *all* college work completed prior to entrance.

When a transfer candidate submits an application, he will receive a leaflet entitled *Transfer to Cornell University*, which contains complete instructions including College Entrance Exam-

ination Board test requirements. If time allows, however, the prospective transfer candidate is urged to write to the Office of Admissions for this leaflet *before submitting his application* so that he will be aware of College Board test requirements for the program of his choice.

Because of the very limited number of openings available, only a few students can be accepted for transfer admission in the College of Arts and Sciences. Consequently, serious consideration can be given only to the applications of students of exceptional promise. High scholarship, superior personal qualifications, and impelling reasons for transferring will weigh heavily in the selection. Candidates for sophomore standing should have taken freshman programs consisting of courses similar to those in the College of Arts and Sciences and permitting easy integration with the undergraduate curriculum. Candidates for junior standing will be expected to have fulfilled most of the language and Distribution requirements of the College and to have met the prerequisites of the intended major.

FINANCIAL AID

Most students plan to finance their education through a combination of savings, help from home, and summer earnings. The estimates of total expenses on page 73 should be examined carefully. An entering freshman who needs supplementary funds should have clearly in mind the additional amount needed in his particular case. Financial aid opportunities in the form of scholarships, long-term student loans, and term-time employment are available.

Academic ability as indicated by the candidate's secondary school credentials, and by test scores of the College Entrance Examination Board, is of primary importance in the selection of financial aid winners. In many cases, extracurricular achievement and promise of leadership are important. Although recipients of financial aid are selected on those criteria, the *total amount awarded* is based on remaining need once an appropriate expectation from student, family, and other resources has been deducted from the student's anticipated budget.

A typical award involves part scholarship plus job and/or loan help. The trend is toward such package awards, although candidates with exceptionally strong qualifications are likely to have most of their need met by scholarship alone. Similarly, those who do not qualify for scholarship aid may be offered loans or job help only.

Scholarships offered to freshmen vary in value, depending on

the winner's need and promise. Loan help is limited to \$1,000 a year, and job opportunities vary in value from \$300 to \$600 a year. Virtually all awards may be held for the normal period of years required for an undergraduate degree.

In addition, a limited number of undergraduate scholarships and grants-in-aid are awarded to students with need who have completed their freshman year. In general, students who rank in the top one-third of the class are eligible.

New York State candidates interested in the New York State Regents scholarship program should apply to local school authorities or to the Commissioner of Education, Albany, New York 12201, for details. Winners are not exempt from any of the rules governing admission to the University; they should therefore apply for admission at the normal time and should be prepared to satisfy the regular entrance requirements.

Inquiries should be addressed to the Office of Scholarships and Financial Aid, Edmund Ezra Day Hall.

APPLICATIONS FOR FINANCIAL AID. A financial aid application is attached to each application for admission. It is to be completed (and left attached) by each candidate who wishes to be considered for financial assistance (scholarships, loans, jobs). In addition, a College Scholarship Service Parents' Confidential Statement (forms obtainable from secondary schools) should reach Cornell at about the same time as the application for admission and the application for financial aid. *If a candidate applies for financial aid after January 15, he will be at a serious disadvantage because of the nature of the financial aid selection process.*

HOUSING AND DINING

Undergraduate Men

Attractive, quiet residence halls for approximately 2,000 men are provided by the University. They are a five-minute walk from the center of the campus and are situated on a fifteen-acre plot to the west of the main campus, overlooking Cayuga Lake to the north and the valley to the southwest. The area is bounded by West, University, and Stewart Avenues, and Campus Road. There are two groups of residence halls: the Baker Group and University Halls.

The Baker Group comprises Baker Tower, Founders Hall, North and South Baker Halls, Boldt Hall and Tower, Mennen Hall, Lyon Hall, and McFaddin Hall. The buildings are English collegiate in design and they accommodate about 650 men.

University Halls, consisting of six buildings, were opened in 1954 and accommodate 1,350 men. They are of modern construction and offer excellent study, social, and recreational facilities.

Students not assigned to residence halls under direct supervision of the University secure quarters in fraternity houses (for members only), rooming houses, cooperative houses, private homes, or apartments (see "Off-Campus Housing" below).

An application form for University residence halls will be mailed automatically by the Office of Admissions to each male candidate for admission as a freshman or a transfer student at the time of notification of provisional acceptance to the University. Housing in University residence halls can be guaranteed for entering freshmen who have been admitted to the University and have filed dormitory applications by June 1.

Cornell offers a special dining arrangement for its student men. It provides for the prepayment of dining fees on a semester basis, and it affords worthwhile savings in food costs. The plan offers a selection of dining rooms: Willard Straight Hall, the student union building; Agnes and Jansen Noyes Center; Noyes Lodge on Beebe Lake; the Martha Van Rensselaer Cafeteria; and the Dairy Bar Cafeteria in Stocking Hall. Devised to meet student needs, this dining arrangement is designed for economy and convenience and allows for a liberal mealtime schedule, with wide menu selection, in comfortable surroundings.

Undergraduate Women

Cornell University provides comfortable, well furnished residence halls and dining rooms for undergraduate women students. Most undergraduate women whose regular residence is outside the Ithaca area are required to live and take their meals in University residence halls, or in sorority houses (for members only). Information about exceptions to that rule may be obtained from the Office of the Dean of Students.

An application form for living accommodations for undergraduate women will be sent to each candidate by the Office of Admissions with the notice of provisional acceptance to the University.

Graduate Students

The University has two residence halls for graduate students. The Sage Graduate Center accommodates 210 men and women, and Cascadilla Hall houses 160 men. The dining service in the Sage Graduate Center is available to all graduate students and faculty. Graduate students who wish to apply for housing should



The University Orchestra in rehearsal
in Barnes Hall Auditorium.

write to the Department of Housing and Dining Services, 223 Edmund Ezra Day Hall, when their plans to enter the University are complete.

Law Students

In September, 1963, the Charles Evans Hughes Law Residence Center was opened. Connected to Myron Taylor Hall, which houses the Law School, the Center has facilities for about 130 single, male law students, and it also has a dining room. Matriculating law students will receive an application form with their acceptance letter from the Law School.

Married Students

Unfurnished apartments for 400 married students and their families are provided by Cornell in the Cornell Quarters (84 apartments), Pleasant Grove (96 apartments), and Hasbrouck (246 apartments).

Off-Campus Housing

All students living off campus must reside in properties that have been approved by the University. Information on approved housing that is currently available may be obtained at the Off-Campus Housing Office in 223 Edmund Ezra Day Hall. Because changes of available accommodations occur daily, it is not practical to prepare lists. If possible, a student should make at least one trip to Ithaca to look over the available apartments and houses before he plans to take up residence.

DETAILED INFORMATION on all types of housing for students may be obtained by writing to the Department of Housing and Dining Services, Edmund Ezra Day Hall.

STUDENT PERSONNEL SERVICES

The University, through the Office of the Dean of Students, maintains a staff of counselors and advisers who are available at all times to assist students in both individual and group activities. This staff is prepared to help students with the routine problems that arise in the normal course of campus life and also with more personal individual problems. Referrals may be made to the other professionally trained members of the University and college staffs who are best qualified to be of specialized

assistance for particular problems. Responsible adults and student counselors who live in the various residence halls and small housing units as members of the Dean of Students' staff are also readily available to assist students.

The staff of the Dean of Students is closely associated, in an advisory capacity, with student government organizations, fraternities, sororities, and many extracurricular activity groups. Assistance in planning the orientation of new students to campus life — academically, socially, and in the realm of extracurricular activities — is an important concern of the Dean of Students' staff.

Staff members of the several colleges within the University also give special attention to the orientation of their students and provide counselors and advisers to assist their students in all matters connected with courses of study and academic pursuits.

Specialized Student Services

Financial aid and term-time employment, page 47.

Educational and vocational guidance, page 52.

Center for reading and study skills, page 52.

Placement Service (summer and career plans), page 53.

International Student Office, page 55.

Cornell United Religious Work, page 55.

Willard Straight (student union) activity center, page 57.

Medical services, mental health services, page 58.

EDUCATIONAL AND VOCATIONAL GUIDANCE

Educational and vocational counseling begins in the separate colleges and schools. Each undergraduate is assigned a faculty adviser who will help him in the selection of courses which will give him the best preparation in his chosen field.

Students desiring assistance in the diagnosis of academic problems, selection of a curriculum, or determination of vocational goals may also be referred to the Educational-Vocational Guidance Office, 301 Stone Hall, for an intensive program of testing and counseling.

READING AND STUDY SKILLS CENTER

The Reading and Study Skills Center offers all students the opportunity to acquire and to improve the reading and study skills that are essential for academic success. Each semester, numerous sections of three- and five-week non-credit courses

in reading and study skills are offered. The staff of the Center also assists individual students with their specific academic problems.

The content of the lectures includes the following general areas: organization and effective use of time; reading textbooks and supplementary materials efficiently and with improved comprehension; making notations and taking notes on reading assignments; recording and remembering lecture notes; preparing for and taking examinations; and improving the research skills required for papers and reports.

Instruction in the techniques of speed reading is also offered at the Center. Although this skill has extremely limited application when reading academic assignments, some students may wish to acquire it for the reading of newspapers, magazines, and light fiction.

PLACEMENT SERVICE

The University Placement Service is a center for career information, full-time and summer job opportunities, and information about admission to graduate schools, particularly in the professions.

The University Placement Service in Edmund Ezra Day Hall assists students and alumni in promoting their career interests. To students this may mean help in finding something to do during the summer which will add to their experience; study or travel abroad, social projects, camp and resort jobs, and career-oriented summer jobs fall in this category. Because the route to a career may include graduate study, the Placement Service maintains all sorts of information about graduate study both here and abroad. It makes the arrangements for a number of graduate schools whose representatives come to the campus to interview seniors.

When students are ready to search for significant careers to put their talents to use, the Service helps with job campaigns. Counselors advise how and where to look for a job. A wide variety of job openings are listed in the office and many on-campus interviews are arranged between students and employers. Annually, about a thousand employers visit the campus to interview students.

The University's interest in the careers of its graduates continues after graduation, and the Placement Service offers assistance to alumni. Through the support and cooperation of the Cornell Club of New York and the Cornell Society of Engineers, a placement office is maintained in New York City. Appointments are necessary there.



The cafeteria in Noyes Lodge, a recreation center on the shore of Beebe Lake.

On campus there is a separate Educational Placement Service at 320 Wait Avenue, and several of the colleges of the University offer specialized placement assistance.

FOREIGN STUDENTS

The University maintains an International Student Office, and foreign students are invited to write to that office for any information they may need, or to consult the staff about any problems they may have.

Foreign students are requested to report to the International Student Office, 142 Edmund Ezra Day Hall, when they arrive at Cornell.

RELIGIOUS AFFAIRS

Although Cornell is a nonsectarian institution, religious affairs assume a large and important place on the campus. Cornell United Religious Work, the University's division of religious affairs, makes ample provision for fostering the religious life of students in a manner consistent with Cornell's historic principle of freedom for all religious traditions but control by no single group. Anabel Taylor Hall, Cornell's spacious center for religious activities, is widely known throughout the country. Cornell United Religious Work is staffed by twelve University Chaplains representing major faiths at Cornell, and by a director and his associates, all of whom counsel, teach, and serve students. CURW combines the concerns of those affiliated with the religious groups and also of those others who wish to increase their self-understanding and to serve the campus and the community without formal membership in any established group.

Within CURW there is opportunity for worship, study, and service: *worship*, through Sunday morning nondenominational services in Cornell's Sage Chapel conducted by distinguished visiting clergymen from around the world, and through the denominational services held in Anabel Taylor Hall and in churches in the Ithaca area; *study*, through noncredit courses in religion, special lectures, seminars, and discussion groups; *service*, through many programs enabling students to do significant volunteer work in social agencies of the local community, in distant communities where special needs suggest special projects, and in areas of need overseas.

CAMPUS LIFE

Cornell students have the opportunity of participating in a varied program of activities outside the regular course of study. They will find their college experience enriched if they use that opportunity wisely. If they are interested in student government, athletics, publications, music, dramatics, forensics, social organizations, or other extracurricular activities, they will find an exceptionally long list from which to choose.

From the few activities that can be described here, the prospective student may get a general idea of what kinds are likely to arouse his interest. He will have plenty of time to decide on the extent of his participation after he has enrolled in the University and has become firmly established in his academic work.

Athletics

At Cornell, athletics are designed to encourage the participation of every able-bodied student either in varsity sports or in the comprehensive intramural program. In addition to physical fitness, the work in athletics stresses the development of sportsmanship and a keen competitive spirit as enduring values that will be carried into later life. Cornell supports the largest intercollegiate athletic program in the country and belongs to the Ivy League. At Cornell, there is varsity and freshman competition in the following sports: baseball, basketball, crew, 150-pound crew, cross-country, fencing, football, 150-pound football, golf, hockey, lacrosse, polo, rifle, sailing, squash, soccer, skiing, swimming, tennis, track, and wrestling. Intramural and informal sports include badminton, bowling, basketball, cricket, golf, gymnastics, hiking, hockey, outing club work, paddleball, riding, Rugby, sailing, skating, skiing, soccer, softball, squash, swimming, tennis, touch football, track, and volleyball.

Publications

Cornell students edit and publish a newspaper, the *Cornell Daily Sun*; a yearbook, the *Cornellian*; a humor magazine, the *Widow*; a literary magazine, the *Trojan Horse*; and a number of magazines relating to special fields of interest such as the *Cornell Engineer*, the *Cornell Countryman*, and the *Cornell Law Quarterly*.

Music

The Sage Chapel Choir, the Cornell Chorus, the University Glee Club, the University Orchestras and Bands, Chamber Music ensembles, the Opera Workshop, and other musical organiza-

tions give a wide range of opportunity to students who want to participate in music making on the campus and on tour. The University Faculty Committee on Music sponsors visiting soloists and major orchestras in the Bailey Hall series, string quartets and other groups in the Chamber Music series at Alice Statler Auditorium, and occasional operas, ballets, and special events. In addition, the Department of Music and the Program Committee of Willard Straight Hall join in sponsoring some sixty free concerts and lectures by visiting artists or by Cornell faculty and students.

Theatre Arts

Extensive programs in dramatic production are conducted by Cornell students under the sponsorship and general supervision of the Department of Theatre Arts. The Cornell Dramatic Club presents a wide variety of productions each year in the University Theatre and the Drummond Studio. Through the facilities of the Department and the Independent Film-Makers at Cornell, students are provided with film-making opportunities. Membership in these organizations is open to all interested undergraduates. The University Theatre Film program presents an annual series of distinguished foreign and American films, providing the University community with unusual opportunities to explore the art of the cinema.

The Student Union

Willard Straight Hall, the student union, serves as a campus gathering point and a center for social, cultural, and recreational activities for all Cornell students. It has facilities for dances, receptions, and other social gatherings; a theatre; a billiard and game room; a library; lounges; a music room; a room for the exhibition of works of art; a barber shop; and rooms for overnight guests. Pictures and phonograph records are available for rental to students. Dining services include a cafeteria, snack bar, dining room, and rooms for private luncheons and dinners. Students have full access to the building and its myriad services by virtue of payment of the General Fee.

Social and Cultural Activities

For those with interests in particular fields, there are more than a hundred organized groups, which include both faculty and students in their membership. Among them are clubs for persons with similar academic interests or similar hobbies, local chapters

of professional organizations, associations of students from other nations, and a number of national honorary societies that recognize achievement in scholarship and other fields of endeavor.

Student Conduct

Standards of conduct at Cornell are established by student governing bodies, with the approval of the Faculty Committee on Student Affairs, and are contained in the handbook entitled *Student Rules and Regulations*. Although these standards permit a great deal of personal choice, the emphasis is placed on individual responsibility and assumes an acceptance on the part of a student of a modification of his personal freedom for the benefit of the educational community in which he lives. All Cornell students are expected to become familiar with these rules and regulations. Violations are adjudicated by appropriate judiciary boards, with final judicial authority resting with the Faculty Committee on Student Conduct.

HEALTH SERVICES AND REQUIREMENTS

The University Health Services provide facilities for comprehensive medical care of students. To help students achieve their educational goals the objectives are: (1) the diagnosis and treatment of illness (physical and emotional) with a minimum time loss from academic work; (2) the prevention of acute physical and emotional disorders whenever possible; and (3) the development of an intelligent and realistic attitude toward health on the part of every student.

ELIGIBILITY AND FEES. All students regularly registered in the University are eligible for the University health services. The cost is included in the General Fee.

THE CLINIC AND HOSPITAL

Outpatient care is centered in the Gannett Medical Clinic, 10 Central Avenue. Hospital care is given in the Sage Hospital, which is fully accredited by the Joint Commission on Accreditation for Hospitals. The Hospital is on Sage Place, with the entrance on East Seneca Street between Stewart Avenue and Schuyler Place, about five blocks from the edge of the campus.

The Clinic and Hospital medical staff, under the supervision

of the Clinical Director, consists of attending physicians from the University staff and of consulting physicians and surgeons in the various medical fields from Ithaca and vicinity.

A student may consult a physician at the Clinic whenever need arises. He may make an individual appointment with a particular doctor at the Clinic if he wishes; appointments may be made by telephone or in person at the Clinic.

Emergency Service: Students who need medical attention during the hours the Clinic is closed, may go to Sage Hospital. If an accident or serious illness occurs, the physician on Emergency Service may be reached by calling 275-3493 during Clinic hours or 272-6962 after Clinic hours.

Hospitalization in Sage Hospital for a maximum of fourteen days each term is included. (A per diem charge is made if hospitalization extends beyond fourteen days.) Hospital service includes medical and emergency surgical care, as well as laboratory and X-ray examinations indicated for diagnosis and treatment. (Emergency surgery is defined as initial surgical procedure which, in the opinion of the Clinical Director, is necessary for the immediate welfare and safety of the patient.) The General Fee does not include surgery for the correction of chronic remedial defects or obstetrical care. There is an additional fee for emergency house calls.

In providing these services, the University reserves the right to bill the student's employer or other third party legally responsible for providing hospitalization and medical care and to be subrogated to the student's right against these parties for the cost of these services when such liability exists.

A student in Sage Hospital may, if he so desires, employ a private physician from the visiting staff. A student may also receive medical care from a private physician rather than consult the Clinic. The General Fee does not, however, include the cost of such private arrangements.

Prospective students are urged to have dental, visual, and other remedial defects corrected before entering the University.

If, in the opinion of the University authorities, the student's health makes it unwise for him to remain in the University, he may be required to withdraw.

Elective Insurance Plan

On a voluntary basis insurance is available to supplement the services as outlined above. For example, hospitalization in Sage Hospital in excess of fourteen days a term, and expenses for illness or accidents outside Ithaca both during the academic year



Cornell scoring against Brown, on the way to the N.C.A.A. championship in hockey in 1967.

and during vacation would be covered. Information about this insurance may be obtained at the Gannett Medical Clinic.

HEALTH REQUIREMENTS

Each entering student is expected to assume personal responsibility for fulfilling the following health requirements adopted by the Cornell University Trustees. Permission to register for a new semester will not be granted unless all health requirements pertaining to the previous semester have been fulfilled.

Undergraduate Students

A) IMMUNIZATION. A satisfactory certificate of immunization against smallpox, on the form supplied by the University, must be submitted before registration. It will be accepted as satisfactory only if it certifies that within the last three years a successful vaccination has been performed. If this requirement cannot be fulfilled by the student's home physician, opportunity for immunization will be offered by the Cornell medical staff during the student's first semester, with the cost to be borne by the student. If a student has been absent from the University for more than three years, immunity will be considered to have lapsed, and a certificate of revaccination must be submitted.

B) X-RAY. Every student is required to have a chest X-ray. Opportunity is given to satisfy this requirement during the student's first week on campus. The cost of the X-ray examination is included in the General Fee. When a student who has been away from the University for more than a year wishes to re-enter, he must, at his own expense, again fulfill the chest X-ray requirement.

C) MEDICAL EXAMINATION. Each student is required to have a medical examination. (This applies also to special students who must meet other medical and health requirements such as physical education and submission of health history.) A student accepted for admission will be sent forms to be filled out by his home physician and returned promptly to the Gannett Medical Clinic. A University physician will review the material before it becomes part of the student's permanent health record. All information given is confidential. After arrival at Cornell, if the medical history indicates a need, a student will be given an appointment to consult a physician at the Clinic. When a student has been away from the University for more than a year, he must, upon re-entrance, submit an interim health history on a University form.

D) TETANUS TOXOID. Students, including special students enrolled in one-year or two-year courses, are required to be immunized to tetanus through use of tetanus toxoid. The University has adopted this rule to avoid reactions, often serious, if antitoxin (horse serum) is administered at the time of injury. Immunity through toxoid offers the advantage of protection without risk of antitoxin reaction.

Active immunization shall be acquired within one year prior to initial registration unless the student's home physician is unable to give the toxoid. If there has been no previous immunization, an original series of two or three doses, depending on the type used, spaced at least one month apart, will be necessary. This will be followed by a booster dose one year later. If there has been previous immunization, reactivation by a single booster dose is required for entrance to Cornell. After entrance a booster dose will be given whenever medically indicated.

Certification of immunization by the student's home physician is to be reported on the immunization form supplied by the University. Students unable to obtain the immunization at home will be given the opportunity, during the first semester, to obtain it from the Cornell medical staff or any Ithaca physician. If it is received from the former, a charge comparable to the average physician's fee will be made. Opportunity will also be given to obtain the booster dose that is required one year later, as well as any further booster doses as recommended by recognized medical authorities.

Graduate Students

A) IMMUNIZATION. A satisfactory certificate of immunization against smallpox, on the form supplied by the University, must be submitted before registration. It will be accepted as satisfactory only if it certifies that within the last three years a successful vaccination has been performed. If this requirement cannot be fulfilled by the student's home physician, opportunity for immunization will be offered by the Cornell medical staff during the student's first semester, with the cost to be borne by the student. If a student has been absent from the University for more than three years, immunity will be considered to have lapsed, and a certificate of revaccination must be submitted.

B) X-RAY. Every student is required to have a chest X-ray. Opportunity is given to satisfy this requirement during the student's first week on campus. The cost of the X-ray examination is included in the General Fee. When a student who has been away from the University for more than a year wishes to re-enter, he must, at his own expense, again fulfill the chest X-ray requirement.

C) HEALTH HISTORY. Graduate students, when accepted, must submit *health histories* on forms supplied by the University. These should be returned promptly to the Gannett Medical Clinic. A University physician will review the material before it becomes part of the student's permanent health record. All information given is confidential. After arrival at Cornell, if the medical history indicates a need, a student will be given an appointment to consult a physician at the Clinic. When a student has been away from the University for more than a year, he must, upon re-entrance, submit an interim health history on a University form.

D) TETANUS TOXOID. While not required, it is strongly recommended by the University Health Services that all graduate students

have immunization against tetanus before entering the University. The Health Services will, however, make available at the Gannett Clinic initial and all booster tetanus toxoid immunizations at a nominal charge.

PHYSICAL EDUCATION

As part of the normal course of study leading to a baccalaureate degree, the University faculty has established the following requirements in physical education:

All undergraduate students must complete four terms of work in physical education.

The requirement in physical education is a requirement of the first four terms, and postponements are to be allowed only by consent of the University Faculty Committee on Requirements for Graduation.

Exemptions from the requirement may be made by the Committee on Requirements for Graduation when recommended by the Cornell medical staff, or because of unusual conditions of age, residence, or outside responsibilities. Students who have been discharged from the armed forces may be exempted.

For students entering with advanced standing, the number of terms of physical education required is to be reduced by the number of terms which the student has satisfactorily completed (not necessarily including physical education) in a college of recognized standing.

Responsibility for the interpretation of the requirement and for its application in individual cases is placed upon the Committee on Requirements for Graduation.

The University requirements in physical education may be met by four terms of satisfactory work in courses under the supervision of the Department of Physical Education. Publications describing the courses offered will be made available to entering students by the Department. There are separate programs, with separate staffs, for men and women. The courses are directed toward the development of skills and the encouragement of an interest in recreational sports that will be carried over after graduation, as well as toward the student's immediate physical welfare.

Any entering student who believes that he qualifies for exemption from the requirements or for postponement of the satisfaction of them should present his case to the appropriate member of the University Faculty Committee on Requirements for Graduation. The committee members are:

The Dean of the University Faculty (to be appointed), Chairman; Professor James O. Mahoney (College of Architecture); Professor Herbert L. Everett (College of Agriculture); Professor Frank B. Miller (School of Industrial and Labor Relations); Professor Howard G. Smith (College of



On Library Slope, the walk to classes
from the men's residence halls.

Engineering); Professor Ellis P. Leonard (Veterinary College); Dean Robert A. Beck (School of Hotel Administration); Dean Stuart M. Brown, Jr., (College of Arts and Sciences); Professor Bart Conta (Division of Unclassified Students); Professor Theresa Humphreyville (College of Home Economics).

MOTOR VEHICLES

The University does not encourage student use of motor vehicles but recognizes that in certain cases there may be important reasons why a student needs a motor vehicle. University regulations apply to all types of motor vehicles, including automobiles, motorcycles, motor bikes, and motor scooters.

Every student who owns, maintains, or for his own benefit operates a motor vehicle in Tompkins County must register such vehicle with the Safety Division Office, even though the vehicle may be also registered by faculty, officers, or employees. First semester freshmen are not permitted to own, maintain, or operate motor vehicles in Tompkins County. All students must register motor vehicles within the prescribed time for University registration at the beginning of the fall term (*exception*: students who are not then subject to this rule but later become subject to it must register vehicles within five days after becoming so subject). Nonregistered vehicles may not be parked on campus at any time. (Students entering the University for the spring semester or re-entering after a period of absence must register motor vehicles with the Safety Division at the time of, or within the time for, general registration.)

Every student who has a motor vehicle must comply with the following requirements: (1) the student must be legally qualified to operate a motor vehicle in New York State; (2) the vehicle must be registered in New York State or legally qualified to be operated on the highways of New York State; (3) the vehicle must be effectively insured against public liability for personal injury and property damage for the minimum of \$10,000 — \$20,000 — \$5,000, for the duration of such registration and while the vehicle is under the control of the registering student; (4) the registration fee covering the fall and spring terms, or any part thereof, is \$4 and is due and payable in the Treasurer's Office on the same date as tuition and other fees; in the case of late registrants, the fee will be due within a week after such registration. A fine is levied if the vehicle is not registered within the specified time.

No student may park his motor vehicle on the campus from 8 A.M. to 5 P.M. Monday through Friday, or from 8 A.M. to 1 P.M. Saturdays. Certain areas are restricted 24 hours a day; such areas include "no parking" zones, dormitory parking areas, and areas listed as limited at all times to holders of specific permits.

Special area parking permits are issued only after careful consideration by the Safety Division Office. Extenuating circumstances (physical disabilities, etc.) are the basis for the issuance of these permits.

The student's registration in the University is held to constitute an agreement on his part that he will abide by all its rules and regulations with regard to traffic and parking or suffer the penalty prescribed for any violation of them.

Correspondence regarding motor vehicles should be addressed to the Board on Traffic Control, G-2 Barton Hall.

EXPENSES

The costs of attending Cornell fall into two general categories. The first category includes certain fixed charges for tuition, fees, and deposits, and related charges for services provided by the University. The second category includes living costs and items of personal expense. To make a realistic estimate of his financial needs at Cornell, the prospective student should note carefully each of the sections that follow.

UNIVERSITY CHARGES

For certain services or privileges the University charges a General Fee over and above tuition. The General Fee is paid by all students in the divisions at Ithaca, the amount varying in the different schools and colleges. It contributes toward the services given by the libraries, the Gannett Clinic and Sage Hospital, and the student center in Willard Straight Hall; it also pays part of the extra costs of laboratory courses and general administration, as well as programs of physical recreation and student activities.

Students entering the Ithaca divisions of the University should familiarize themselves with the charges made in the college or school in which they plan to enroll and with the rules governing payments as given in the pages following. The table on the opposite page lists the tuition and fees paid *each term* by students in the Ithaca divisions of the University (there are two terms in the normal academic year). Tuition and fees in the Medical College and the School of Nursing in New York City are listed in the Announcements of those divisions.

Other Fees and Deposits

In addition to the charges listed in the table, certain financial obligations should be carefully noted and taken into account in the student's budget of expenses for the term in which they are due (pages 67-68).

An application fee of \$15 must be paid at the time an application for admission is submitted to any division.

A registration fee of \$45 must be paid after the applicant has received notice of provisional acceptance from any of the following divisions: Agriculture, Architecture, Arts and Sciences, Engineering (except Graduate School of Aerospace Engineering),

COLLEGE, SCHOOL, OR DIVISION	TUITION	GENERAL FEE	TOTAL EACH TERM
ARCHITECTURE	\$787.50	\$237.50	\$1,025.00
ARTS AND SCIENCES	787.50	237.50	1,025.00
ENGINEERING	787.50	237.50	1,025.00
GRADUATE SCHOOL, with major field of study in an endowed division	772.50	252.50	1,025.00
GRADUATE SCHOOL, if the major chairman is on the faculty of a statutory division,* or of the Graduate School of Nutrition, or (generally) of the School of Education..	200.00	275.00	475.00
AEROSPACE ENGINEERING ...	787.50	237.50	1,025.00
BUSINESS AND PUBLIC			
ADMINISTRATION	787.50	237.50	1,025.00
HOTEL ADMINISTRATION ...	787.50	237.50	1,025.00
LAW	750.00	200.00	950.00
AGRICULTURE:			
Resident†	200.00	137.50	337.50
Non-resident	300.00	237.50	537.50
HOME ECONOMICS:			
Resident†	200.00	150.00	350.00
Non-resident	300.00	250.00	550.00
INDUSTRIAL AND LABOR RELATIONS:			
Resident†	200.00	137.50	337.50
Non-resident	300.00	237.50	537.50
VETERINARY:			
Resident†	200.00	175.00	375.00
Non-resident	300.00	275.00	575.00
UNCLASSIFIED STUDENTS	787.50	237.50	1,025.00
EXTRAMURAL COURSES:			
Tuition per credit hour	40.00		

* The four statutory schools or colleges at Cornell are Agriculture, Home Economics, Industrial and Labor Relations, and Veterinary.

† A resident is a person who has been a bona fide resident of the State of New York for at least one year prior to matriculation in one of the four statutory schools or colleges at Cornell (as named in the preceding footnote).

Home Economics, Hotel Administration, Industrial and Labor Relations, Unclassified, and Veterinary. This fee covers matriculation charges and certain graduation expenses and establishes a fund for undergraduate and alumni class activities; it does not apply toward the first term's tuition or the General Fee.

A registration fee of \$28 must be paid after the applicant has received notice of provisional acceptance from any of the following divisions: Graduate School, Graduate School of Business and Public Administration, Graduate School of Aerospace Engineering, Graduate School of Nutrition. The fee does not apply toward the first term's tuition or the General Fee.

A registration fee of \$50 must be paid after the student has received notice of provisional acceptance from the Law School. The fee covers matriculation expense and student activities.

A deposit of \$30 against the cost of a uniform is payable at registration in the first term by those enrolling in the basic courses in military and air science. Most of the deposit is returned as earned uniform allowance upon completion of the two-year basic course. If the student withdraws prior to completion of the course, he will owe for the total cost of the uniform less any uniform allowance earned and less a portion of the deposit.

Transfer Tuition

Any student transferring from one college (or course or courses) in the University to another must, on or before the time of transfer, pay an amount corresponding to the difference in tuition for the hours of credit that will be allowed in the latter college (or course or courses).

Excess Hours Tuition

Students in the four statutory divisions who desire to take courses in the endowed divisions beyond the hours allowed free under the rules of those statutory divisions, may be allowed to do so on payment for the additional hours of instruction at the rate of tuition in the college in which the instruction is given.

Special Fees

The following fees are imposed under certain conditions: late registration, \$10; make-up examination, \$2; late filing of study card, \$2; late change of program, \$3; failure to check out chemistry desk, \$5.

Payment of University Bills

All bills are rendered to the student, and it is his or her responsibility to see that each bill is paid by the due date. Checks in payment of student accounts should be drawn in the amount owed. A penalty of \$10 is assessed for late payment, and the student may be deprived of the privileges of the University. Cornell cannot undertake to bill the parent or another person.

Tuition and General Fee

A bill for tuition and General Fee (IBM card) is presented at the time of registration for each term. The bill is due and payable within ten days at the cashier's window in the Treasurer's Office, 260 Edmund Ezra Day Hall. (Hours: 8 A.M. until 4:30 P.M. weekdays.)

The University offers students and parents a plan for paying yearly tuition and General Fee charges in eight equal monthly payments beginning September 1 and continuing through the following April 1. This plan may be started at any time up to September 15 in the fall term and up to February 1 in the spring term, provided payment has been made of an amount equal to the total of the monthly installments up to the point at which the individual elects to take advantage of the plan. A service charge of \$10 is made to cover, partially, the cost of administering the plan. A student or parent who desires to make use of this plan should address his request to the Treasurer, Cornell University, Edmund Ezra Day Hall.

Financial aid awarded by the University, except loans, will be applied directly to the charges for tuition and fees. Each term, the student should claim an exemption on his bill for 50 percent of the annual award and pay any balance. If the University award, exclusive of a loan, is equal to or exceeds the amount due for tuition and fee, the student need not present the bill at the Treasurer's Office. If the University award exceeds the tuition and fee, the balance will be available after the beginning of each term in the form of a check.

A student completes arrangements for a loan authorized by the University by signing a note in the Treasurer's Office. The proceeds of a loan must be applied first to University charges but are not to be claimed as an exemption from a bill.

New York State scholarships, fellowships, and incentive awards may not be claimed as an exemption from the tuition and fee bill since the state prepares individual checks, which are payable to the student, and sends them to the University for distribution. Checks for these awards will not be available at the time tuition



An undergraduate chemistry class during a laboratory period in a new "teaching module."

and fees are due. An extension of time for payment of tuition and fees equal to the amount of the state award may be arranged by presenting the Award Certificate at the Treasurer's Office, providing the student has signed a power of attorney authorizing the University to negotiate the state check.

When, based on a New York State award, an extension of time for payment of part or all of the tuition and fees is granted, it is with the understanding that, should the state for any reason fail to prepare a check for the amount of the award, the student is personally responsible for the amount due.

Scholarships or financial aid awards which are granted outside the University may not be claimed as an exemption on the tuition and fee bill unless the student personally obtains verification from the Office of Scholarships and Financial Aid on the bill that the University has received the amount of the award.

Refunds

Part of the tuition and General Fee will be refunded to students who officially withdraw during the first nine weeks of a term. A student arranges for withdrawal at the Office of the Dean or Director of the academic division in which he is enrolled. Students who withdraw are charged tuition and General Fee at the rate of 10 percent for each week or fraction of a week from registration to the effective date of withdrawal. No charge is made if the student withdraws within six days of registration. No part of the registration or matriculation fees is refundable.

Room and/or Board in University Residences

Payment of the yearly charge for room and/or board is due in four equal quarterly installments. The room charge is based on the rate of the assigned room. In May, students registered at Cornell are billed for the first quarter of the following year, and payment is due in mid-July. New students normally receive room assignments during July or August, and the first quarter is due within ten days of assignment. All students are billed uniformly for the second, third, and fourth quarters. The due dates for payment of the second, third, and fourth quarters vary from year to year, but they usually occur in mid-November and early in February and April.

The amount, time, and manner of payment of tuition, fees, or other charges may be changed at any time without notice.



The West Gallery in the Clark Hall of Science.

ESTIMATE OF STUDENTS' EXPENSES

The figures below are estimates of specific expenses for the regular academic year of two terms. They do *not* include tuition, the General Fee, and certain other fees, all of which are given in detail in earlier pages of this section. Students should also add their own travel expenses to the estimated total.

Room and board	\$1,100	
Admissions deposit	}	
Books and equipment		550
Personal allowances		
Laundry and cleaning		
<hr/>		
Total (Average) Expenses	\$1,650	

CHOOSING A COLLEGE OR SCHOOL

For a person interested in Cornell, the matter of deciding in which division of the University he wants to study should not be difficult. The general descriptions of the work in the several colleges and schools as given on pages 7-29 should indicate which division offers the desired type of preparation. The prospective student should write for the Announcement that gives a detailed description of the curriculum in which he is interested. (The writer should include his zip code in his return address.) A list of the Announcements follows the last page of text in this publication; any Announcement will be mailed without charge.

SUBJECTS OF STUDY

The prospective student frequently and naturally thinks in terms of specific courses, such as chemistry, or design, or bacteriology, instead of in terms of a broad curriculum such as Arts and Sciences, or Architecture, or Agriculture. Therefore, in identifying the division in the University where particular instruction is offered, he may find the following general list of subjects of study useful. The subject is in the left-hand column of the list, and the college or school in which the subject forms a part of the curriculum is in the right-hand column.

The names of the colleges and schools of the University are abbreviated as follows: Agriculture (*Ag*), Architecture (*Arch*), Arts and Sciences (*Arts*), Business and Public Administration (*Bus*), Education (*Educ*), Engineering (*Engin*), the Graduate School (*Grad*), Home Economics (*Home Ec*), Hotel Administration (*Hotel*), Industrial and Labor Relations (*ILR*), Law (*Law*),

Medical (*Med*), Graduate Medical Sciences (*Grad Med*), Nursing (*Nurs*), Nutrition (*Nutrit*), and Veterinary (*Vet*). Each division has a separate Announcement. Information about military science, naval science, and aerospace studies (AFROTC) is given in the *Announcement of Officer Education (Officer)*. The *Announcement of International Studies (IS)* gives a centralized list of the courses in international studies that are offered by the several schools and colleges.

<i>Subject of Study</i>	<i>College or School</i>	<i>Subject of Study</i>	<i>College or School</i>
ACCOUNTING	<i>Ag, Bus, Engin, Hotel</i>	APPLIED PHYSICS	<i>Arts</i>
ADMINISTRATION AND LAW ...	<i>Bus & Law</i>	ARBITRATION	<i>ILR</i>
ADMINISTRATIVE PROCESS	<i>Bus</i>	ARCHAEOLOGY	<i>Arts</i>
AEROSPACE ENGINEERING	<i>Engin</i>	ARCHITECTURAL STRUCTURES	<i>Arch</i>
aerodynamics		ARCHITECTURE	<i>Arch</i>
gasdynamics		ARCHITECTURE (history of)	<i>Arch</i>
magneto-fluid dynamics		ART (history of)	<i>Arts</i>
AEROSPACE STUDIES (AFROTC) ...	<i>Officer</i>	ART (practice of fine arts)	<i>Arch</i>
AGRICULTURE, GENERAL	<i>Ag</i>	ASIAN STUDIES	<i>Arts</i>
AGRICULTURAL BROADCASTING	<i>Ag</i>	ASTRONOMY AND SPACE SCIENCES	<i>Arts</i>
AGRICULTURAL ECONOMICS	<i>Ag</i>	BACTERIOLOGY	<i>Ag, Med, Vet</i>
agricultural policy		BANKING AND FINANCE	<i>Ag, Bus</i>
agricultural geography and land economics		BIOCHEMISTRY	<i>Ag, Arts, Med, Nutrit</i>
business management	prices	BIOLOGICAL SCIENCES	<i>Ag, Arts</i>
farm finance	marketing	biochemistry and molecular biology	
farm management	statistics	cell physiology, growth, and development	
public administration		ecology and systematics	
AGRICULTURAL ENGINEERING ...	<i>Ag, Engin</i>	genetics, development, and physiology	
agricultural mechanics		microbiology	
agricultural structures		neurobiology and behavior	
electrical power and processing		BIOMATHEMATICS	<i>Grad Med</i>
power and machinery		BOTANY	<i>Ag</i>
soil and water engineering		BUSINESS ADMINISTRATION	<i>Bus</i>
AGRICULTURAL EXTENSION	<i>Ag</i>	(See also Agricultural Economics)	
AGRICULTURAL AND HOME ECONOMICS JOURNALISM ¹	<i>Ag</i>	accounting (industrial & public)	
AGRICULTURAL BUSINESS MANAGEMENT	<i>Ag & Bus</i>	agricultural management	finance
AGRICULTURAL MISSIONARY SERVICE ...	<i>Ag</i>	business management	
AGRONOMY	<i>Ag</i>	hospital & health administration	
field crops	soil science	managerial economics	marketing
soil conservation		personnel management	production
AIR SCIENCE	<i>Officer</i>	transportation & public utilities	
AMERICAN STUDIES	<i>Arts, ILR</i>	BUSINESS LAW	<i>Bus, Hotel</i>
ANALYSIS OF DATA	<i>Arts, Bus, ILR</i>	BUSINESS MANAGEMENT	<i>Ag, Bus</i>
ANATOMY	<i>Arts</i>	CHEMICAL ENGINEERING	<i>Engin</i>
ANIMAL SCIENCE	<i>Ag</i>	process design and economics	
animal breeding and physiology		reaction kinetics	
animal nutrition	meats	nuclear energy	
dairy husbandry		biochemical engineering	
ANTHROPOLOGY	<i>Arts</i>	polymeric materials	
APPLIED MATHEMATICS	<i>Arts</i>	CHEMISTRY	<i>Arts, Hotel</i>
		CHILD DEVELOPMENT AND FAMILY RELATIONSHIPS	<i>Home Ec</i>
		CINEMA	<i>Arts</i>
		CITY MANAGEMENT	<i>Bus</i>

¹ The courses in journalism do not lead to a journalism degree.

<i>Subject of Study</i>	<i>College or School</i>	<i>Subject of Study</i>	<i>College or School</i>
CITY AND REGIONAL PLANNING	Arch	illumination	
CIVIL ENGINEERING	Engin	radio science	
construction and		ENGINEERING	Engin
administrative engineering		aerospace	civil
geodetic engineering		agricultural	electrical
hydraulic engineering		chemical	industrial
sanitary engineering		mechanical	
structural engineering		materials and metallurgy	
transportation engineering		engineering physics	
CLASSICS	Arts	theoretical and applied mechanics	
CLOTHING AND TEXTILES	Home Ec	ENGINEERING, AGRICULTURAL	Ag, Engin
COLLECTIVE BARGAINING	ILR	ENGINEERING, HOTEL	Hotel
COMMUNICATION ARTS	Ag, Home Ec	ENGINEERING PHYSICS	Engin
(See also Journalism)		aerospace engineering	nuclear technology
COMMUNICATIONS, ELECTRICAL	Engin	materials science	
COMPARATIVE LITERATURE	Arts	space science and technology	
COMPUTER SCIENCE	Arts, Engin	ENGLISH	Arts
COMPUTERS AND DATA PROCESSING	Engin, Hotel	ENTOMOLOGY	Ag
CONSERVATION	Ag	insect morphology	limnology
farm forestry	oceanography	insect physiology	parasitology
fishery biology	ornithology	insect taxonomy	beekeeping
soil conservation	vertebrate zoology	medical entomology	
wildlife management		EXTENSION EDUCATION	Ag, Educ
DAIRY HUSBANDRY	Ag	FAMILY RELATIONSHIPS AND CHILD	
DAIRY SCIENCE	Ag	DEVELOPMENT	Home Ec
fluid milk handling and processing		FEDERAL ADMINISTRATION	Bus
manufacture of milk products		FINANCE, BUSINESS AND PUBLIC	Ag, Bus
DESIGN, ARCHITECTURAL	Arch	FINE ARTS (practice of)	Arch
DESIGN AND HOUSING	Home Ec	FLORICULTURE	Ag
DIETETICS	Home Ec	greenhouse crops production	
DRAMA	Arts	landscape service	
DRAWING	Ag, Arch, Home Ec	nursery crops production	
DRAWING, MECHANICAL	Ag, Engin	ornamental horticulture	
ECONOMICS	Ag, Arts, Bus, Home Ec, ILR, Nutrit	plant materials and propagation	
ECONOMICS AND POLICY	Ag, Bus, ILR	FOOD DISTRIBUTION	Ag, Bus
EDUCATION	Ag, Educ, Home Ec, ILR	FOOD FACILITIES ENGINEERING	Hotel
agricultural education		FOOD AND NUTRITION	Home Ec, Hotel, Nutrit
curriculum and instruction		FOOD SCIENCE AND TECHNOLOGY	Ag, Home Ec, Nutrit
development of human resources		FOREIGN AGRICULTURAL SERVICE	Ag
educational administration and supervision		GENETICS	Ag
educational psychology and measurement		GEOGRAPHY	Arts
elementary education		GEOLOGICAL SCIENCES	Arts
extension and adult education		GERMAN	Arts
guidance and personnel administration		GOVERNMENT	Arts
history, philosophy, and sociology of education		GRADUATE STUDIES	Grad
home economics education		GRAPHIC ARTS	Arch
nature, science, and conservation education		GREENHOUSE CROPS PRODUCTION	Ag
secondary education		GUIDANCE	Educ
ELECTRICAL ENGINEERING	Engin	HISTORY	Arts, ILR
communication systems		HISTORY OF ARCHITECTURE	Arch
electrical network theory		HISTORY OF ART	Arts
electric power systems		HOME ECONOMICS	Home Ec
electrons and waves		child development and family relationships	
feedback control systems and computers		food and nutrition	
		home economics education	
		household economics and management	
		housing and design	
		institution management	



On the Agriculture Quadrangle, with Comstock Hall on the right and Bailey Hall in the background.

<i>Subject of Study</i>	<i>College or School</i>
textiles and clothing	
HOSPITALS & HEALTH ADMINISTRATION	<i>Bus</i>
HOTEL ADMINISTRATION	<i>Hotel</i>
accounting	administration
chemistry	data processing
club management	
economics and finance	
engineering	food service management
food facilities engineering	
food science	law
marketing	personnel
psychology	tourism
restaurant administration	
HOUSEHOLD ECONOMICS AND MANAGEMENT	<i>Home Ec</i>
HOUSING	<i>Arch, Home Ec</i>
HUMAN NUTRITION	<i>Home Ec, Nutrit</i>
INDUSTRIAL COOPERATIVE PROGRAM	<i>Engin</i>
INDUSTRIAL ENGINEERING	<i>Engin</i>
applied statistics and probability	
computers and data processing	
engineering administration	
information processing	
operations research	
systems analysis and design	
INDUSTRIAL AND LABOR RELATIONS	<i>ILR</i>
collective bargaining	
development of human resources	
economic and social statistics	
international and comparative	
labor relations	
labor economics	
labor union history and administration	
organizational behavior	
personnel administration	
social security and protective labor legislation	
INSTITUTION MANAGEMENT	<i>Home Ec, Hotel</i>
INTERIOR DESIGN	<i>Home Ec</i>
INTERNATIONAL AGRICULTURE	<i>Ag</i>
INTERNATIONAL AND FOREIGN OPERATIONS	<i>Bus</i>
INTERNATIONAL STUDIES	<i>Ag, Arts, Bus, ILR, IS, Law, Nutrit</i>
JOURNALISM ²	<i>Ag</i>
JOURNALISM, nonprofessional ²	<i>Arts</i>
LABOR RELATIONS (See INDUSTRIAL AND LABOR RELATIONS)	
LANGUAGES, MODERN AND ANCIENT	<i>Arts</i>
LATIN AMERICAN STUDIES	<i>Ag, Arts</i>
LAW	<i>Law</i>
jurisprudence	procedure
private law	public law
LINGUISTICS	<i>Arts</i>
LITERATURE	<i>Arts</i>
LIVESTOCK PRODUCTION	<i>Ag</i>
MANAGEMENT	<i>Home Ec</i>

<i>Subject of Study</i>	<i>College or School</i>
MANAGERIAL ECONOMICS	<i>Bus</i>
MARKETING	<i>Ag, Bus, Hotel</i>
MATERIALS AND METALLURGY	<i>Engin</i>
materials engineering	metallography
structure of materials	thermodynamics
physical metallurgy	
materials processing	(chemical & mechanical)
MATERIALS SCIENCE AND ENGINEERING	<i>Engin</i>
MATHEMATICS	<i>Arts</i>
MATHEMATICS, APPLIED	<i>Arts</i>
MECHANICAL ENGINEERING	<i>Engin</i>
aerospace engineering	
engineering materials	
engineering mechanics	
fluid dynamics and heat transfer	
machine design and development	
nuclear engineering	
propulsion engineering	
thermal environment	
thermal power	
vehicles and propulsion	
MECHANICS, THEORETICAL AND APPLIED	<i>Engin</i>
MEDIATION	<i>ILR</i>
MEDICINE AND SURGERY	<i>Med</i>
anatomy	
bacteriology and immunology	
biochemistry	
medicine and medical specialties	
microbiology and immunology	
obstetrics and gynecology	
pathology	pediatrics
pharmacology	psychiatry
physiology and biophysics	
public health and preventive medicine	
radiology	
surgery and surgical specialties	
MEDIAEVAL STUDIES	<i>Arts</i>
METEOROLOGY	<i>Ag</i>
METALLURGICAL ENGINEERING	<i>Engin</i>
MICROBIOLOGY	<i>Arts, Ag</i>
MILITARY SCIENCE	<i>Officer</i>
MUSIC	<i>Arts</i>
NAVAL SCIENCE	<i>Officer</i>
NEUROBIOLOGY AND BEHAVIOR	<i>Ag</i>
NUCLEAR SCIENCE AND ENGINEERING	<i>Engin</i>
NURSERY CROPS PRODUCTION	<i>Ag</i>
NURSING (See also PRENURSING)	<i>Nurs</i>
NUTRITION (Grad. studies)	<i>Nutrit</i>
NUTRITION, ANIMAL	<i>Ag, Nutrit</i>
NUTRITION, FOOD AND	<i>Home Ec, Hotel, Nutrit</i>
NUTRITION, HUMAN	<i>Home Ec, Nutrit</i>
OPERATIONS RESEARCH	<i>Engin</i>
ORNITHOLOGY	<i>Ag</i>
PAINTING AND DRAWING	<i>Ag, Arch, Home Ec</i>

² The courses in journalism do not lead to a journalism degree.

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<i>Subject of Study</i>	<i>College or School</i>	<i>Subject of Study</i>	<i>College or School</i>
PERSONNEL MANAGEMENT	Bus, Hotel, ILR	RADIO ASTRONOMY	Arts, Engin
PHILOSOPHY	Arts	RADIOPHYSICS	Arts, Engin
PHYSICAL BIOLOGY	Vet	RADIO-TELEVISION	Ag
PHYSICAL EDUCATION ³		REGIONAL PLANNING	Arch
PHYSICS	Arts, Engin	RESTAURANT ADMINISTRATION	Hotel
PHYSICS, APPLIED	Arts	ROMANCE LANGUAGES	Arts
PHYSIOLOGY	Ag, Arts, Vet	RURAL SOCIOLOGY	Ag
PLANT BREEDING	Ag	SCULPTURE	Arch
genetics	biometry	SEED TECHNOLOGY	Ag
PLANT PATHOLOGY	Ag	SEMITIC STUDIES	Arts
mycology		SLAVIC STUDIES	Arts
POMOLOGY	Ag	SOCIAL SECURITY	ILR
POULTRY SCIENCE	Ag	SOCIAL SERVICE	Ag, Home Ec
breeding	management	SOCIOLOGY	Arts, ILR
nutrition		SPACE RESEARCH	Arts, Engin
PREDENTAL TRAINING	Arts	STATISTICS	Ag, Bus, ILR, Engin
PRELAW TRAINING	Arts	STRUCTURES	Arch
PREMEDICAL TRAINING	Arts	STUDENT PERSONNEL	
PRENURSING TRAINING	Ag, Arts, Home Ec	ADMINISTRATION	Educ
PREVETERINARY TRAINING	Ag, Arts	TEACHING	(See EDUCATION)
PRODUCTION	Bus, Engin	TELEVISION-RADIO	Ag
PSYCHOLOGY	Arts, Hotel, ILR	TEXTILES AND CLOTHING	Home Ec
PUBLIC ADMINISTRATION	Bus	THEATRE	Arts
(See also Public Adm. & Finance)		THEORETICAL AND APPLIED	
agricultural policy & management		MECHANICS	Engin
city management	finance	TRANSPORTATION	Bus, Engin
federal administration		URBAN DESIGN	Arch
general public administration		VEGETABLE CROPS	Ag
hospital & health administration		VETERINARY MEDICINE	Vet
international & foreign operations		animal physiology	anatomy
personnel management		animal pathology	animal virology
transportation & public utilities		pathogenic bacteriology	medicine
PUBLIC ADMINISTRATION & FINANCE	Ag	pharmacology	physical biology
PREPARATION OF PUBLICATIONS	Home Ec	parasitology	surgery
PUBLIC MANAGEMENT	Bus	obstetrics and diseases of the reproductive organs	
PUBLIC RELATIONS	Ag, Hotel, ILR	WATER RESOURCES	Engin
PUBLIC SPEAKING	Arts, Ag	WORKMEN'S COMPENSATION	ILR
QUANTITATIVE ANALYSIS FOR		ZOOLOGY	Ag, Arts
MANAGERIAL DECISIONS AND			
OF ECONOMIC DATA	Bus		

³ The requirements in physical education are described in earlier pages of this Announcement; details of the courses offered are given in publications made available to students by the Department of Physical Education. The courses do not lead to a physical education degree.

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