

# CORNELL UNIVERSITY ANNOUNCEMENTS

JULY 10, 1962



**GENERAL INFORMATION  
1963-1964**

# ACADEMIC CALENDAR (Tentative)

## 1962-1963

## 1963-1964

Sept. 15...S.....	Freshman Orientation.....	Sept. 21...S
Sept. 17...M.....	Registration, new students.....	Sept. 23...M
Sept. 18...T.....	Registration, old students.....	Sept. 24...T
Sept. 19...W.....	Instruction begins, 1 p.m.....	Sept. 25...W
Nov. 7...W.....	Midterm grades due.....	Nov. 13...W
	Thanksgiving recess:	
Nov. 21...W.....	Instruction suspended, 12:50 p.m.....	Nov. 27...W
Nov. 26...M.....	Instruction resumed, 8 a.m.....	Dec. 2...M
Dec. 19...W.....	Christmas recess.....	Dec. 21...S
	Instruction suspended at 10 p.m. in 1962, at 12:50 p.m. in 1963.	
Jan. 3...Th.....	Instruction resumed, 8 a.m.....	Jan. 6...M
Jan. 19...S.....	First-term instruction ends.....	Jan. 25...S
Jan. 21...M.....	Second-term registration, old students.....	Jan. 27...M
Jan. 22...T.....	Examinations begin.....	Jan. 28...T
Jan. 30...W.....	Examinations end.....	Feb. 5...W
Jan. 31...Th.....	Midyear recess.....	Feb. 6...Th
Feb. 1...F.....	Midyear recess.....	Feb. 7...F
Feb. 2...S.....	Registration, new students.....	Feb. 8...S
Feb. 4...M.....	Second-term instruction begins.....	Feb. 10...M
Mar. 23...S.....	Midterm grades due.....	Mar. 28...S
	Spring recess:	
Mar. 23...S.....	Instruction suspended, 12:50 p.m.....	Mar. 28...S
Apr. 1...M.....	Instruction resumed, 8 a.m.....	Apr. 6...M
May 25...S.....	Second-term instruction ends.....	May 30...S
May 27...M.....	Examinations begin.....	June 1...M
June 4...T.....	Examinations end.....	June 9...T
June 10...M.....	Commencement Day.....	June 15...M

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*Photographs:* Willard Straight Hall by Ralph Baker, Ithaca Journal; Student at Library Catalog by Alumni News. (7-62-52M)

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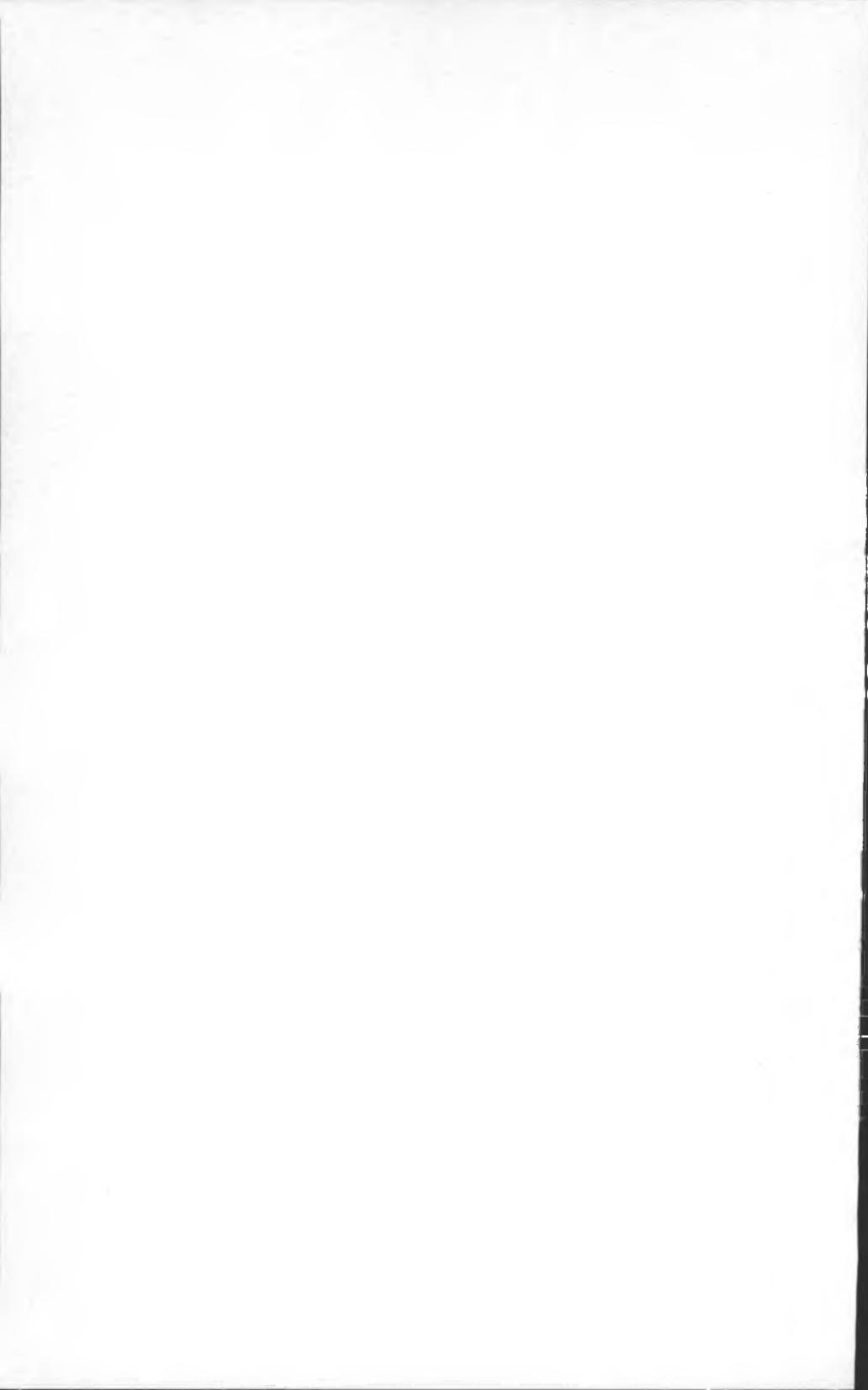
Supplement to Volume 54, Number 1, July 10, 1962

## GENERAL INFORMATION

The University Board of Trustees has found it necessary to make increases in certain charges to students, effective June 5, 1963. Please disregard the figures shown on page 55 of this Announcement. Tuition and the College and University General Fee for each term will be as shown below.

In Architecture, Arts and Sciences, Division of Unclassified Students, Engineering, Business and Public Administration, Aerospace Engineering, Hotel Administration, and Law: tuition, \$700; General Fee, \$150; total, \$850.

	<u>Tuition</u>	<u>General Fee</u>	<u>Total per term</u>
GRADUATE SCHOOL with major field of study in an endowed division .....	\$685.00	\$165.00	\$850.00
GRADUATE SCHOOL with major field of study in Agriculture, Home Econom- ics, Industrial and Labor Relations, or Veterinary (or in the Graduate School of Nutrition) .....	200.00	187.50	387.50
AGRICULTURE:			
Residents of N. Y. State .....	200.00	50.00	250.00
Non-Residents (of N. Y. State) .....	300.00	150.00	450.00
HOME ECONOMICS:			
Residents of N. Y. State .....	200.00	62.50	262.50
Non-Residents (of N. Y. State) .....	300.00	162.50	462.50
INDUSTRIAL AND LABOR RELATIONS:			
Residents of N. Y. State .....	200.00	50.00	250.00
Non-Residents (of N. Y. State) .....	300.00	150.00	450.00
VETERINARY:			
Residents of N. Y. State .....	200.00	87.50	287.50
Non-Residents (of N. Y. State) .....	300.00	187.50	487.50
EXTRAMURAL COURSES:			
Tuition per credit hour .....	37.50		



**CORNELL UNIVERSITY**

**GENERAL INFORMATION**

1963-1964

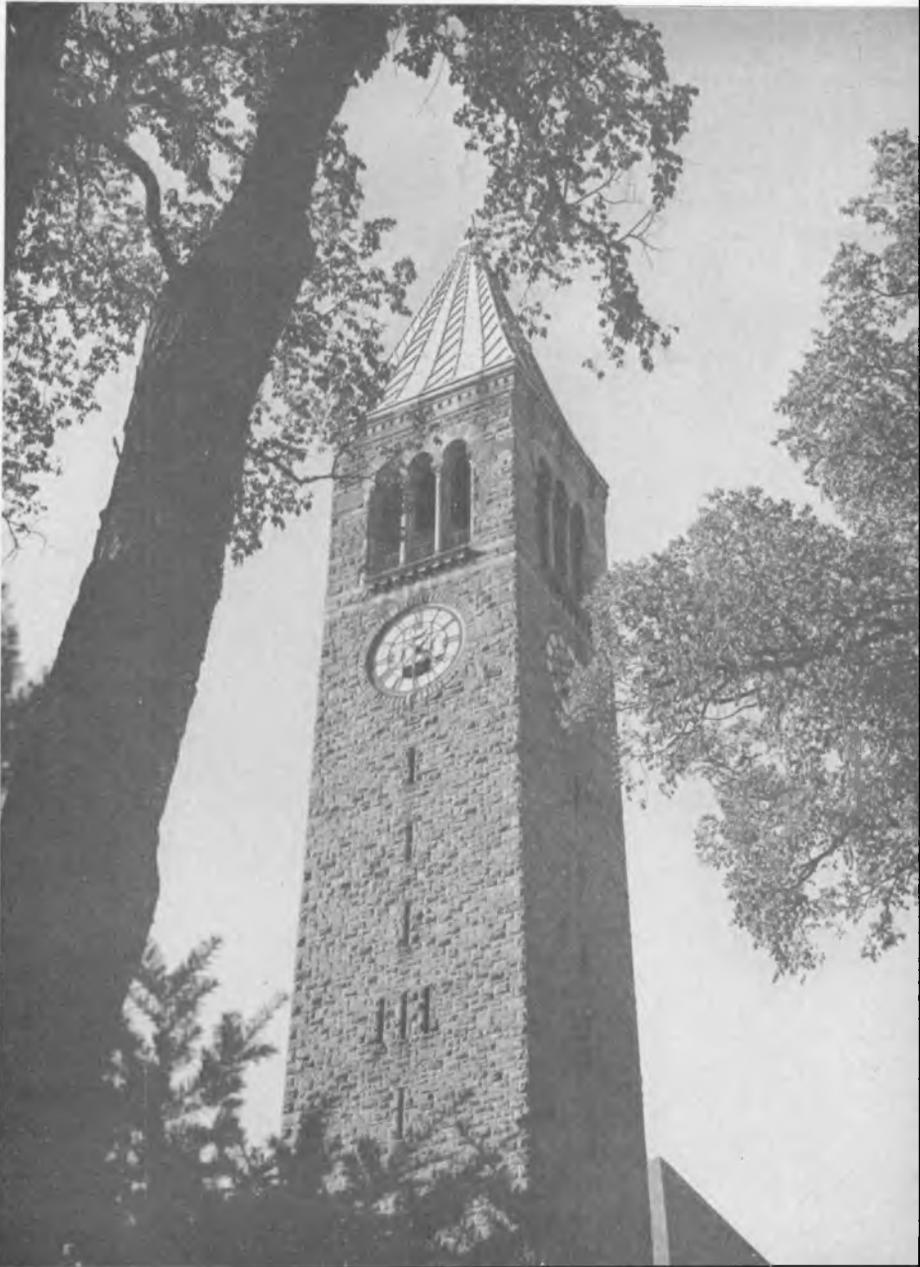
*Between classes, students gather near the statue of the co-founder, Andrew D. White.*



# CONTENTS

THE ACADEMIC CALENDAR .....	<i>Inside front cover</i>
ABOUT CORNELL .....	1
THE TEACHING DIVISIONS .....	3
Arts and Sciences .....	4
Agriculture .....	6
Engineering .....	7
Home Economics .....	9
Hotel Administration .....	11
Architecture .....	12
Industrial and Labor Relations .....	14
Education .....	15
Veterinary .....	15
Graduate School .....	16
Nutrition .....	17
Law .....	18
Business and Public Administration .....	19
Medical .....	20
Nursing .....	21
Unclassified Students .....	22
Summer Session and Extramural Courses .....	22
ADMISSION TO CORNELL .....	24
MAP OF CAMPUS AND KEY .....	29
ORIENTATION .....	39
COUNSELING SERVICES .....	39
VOCATIONAL GUIDANCE AND PLACEMENT .....	40
FOREIGN STUDENTS .....	41
HOUSING FOR STUDENTS .....	41
HEALTH SERVICES AND REQUIREMENTS .....	42
ACTIVITIES .....	46
PHYSICAL EDUCATION .....	51
MILITARY TRAINING .....	52
FINANCIAL AID .....	52
EXPENSES .....	54
CHOOSING A COLLEGE OR SCHOOL .....	60
INDEX .....	64
LIST OF ANNOUNCEMENTS .....	<i>Inside back cover</i>

*The Library Tower.*



## ABOUT CORNELL

**C**ORNELL UNIVERSITY's campus is spread over hills that rise several hundred feet above the city of Ithaca and the southern end of Cayuga Lake. The University's buildings are visible against the sky for miles across the valleys of the Finger Lakes country in upstate New York. The Library Tower is the traditional landmark. From its top the Cornell chimes, played by student chimesmasters, ring out daily.

## HISTORY OF CORNELL

Three circumstances contributed to the founding of Cornell University in the eventful years after the close of the Civil War. In the first place, Ezra Cornell, a citizen of Ithaca, had come into a large fortune from his holdings in the newly formed Western Union Telegraph Company and had devoted a great deal of thought to the good that might be done by giving his wealth to education. A second circumstance was the fact that the State of New York had received a substantial land grant, under the Morrill Act of 1862, for the support of colleges teaching agriculture and the mechanic arts. The third circumstance was that Mr. Cornell had as a colleague in the state legislature of 1864-1865 a young senator named Andrew Dickson White. Mr. White had the vision of preserving the state's land grant intact for a single great institution that should teach not only agriculture and the mechanic arts but the humanities and the sciences as well.

Under the fortunate conditions which brought these two men together, it was a natural step to the idea of combining Mr. Cornell's wealth with the federal land grant to build a new university at Ithaca. Through the leadership of Mr. Cornell and Mr. White, the plan for Cornell University took shape in an act eventually passed by the legislature. On April 27, 1865, the charter was signed by the governor of the state, and on October 7, 1868, the University opened its doors to students.

## CHARACTER OF CORNELL

In succeeding years many donors swelled the endowment so generously begun by Ezra Cornell. New York State, mindful of Cornell's origin as the land-grant University of the state, added to the University four divisions that are supported by annual legislative appropriation. Since the

creation of the State University of New York in 1948, these divisions have been units of the State University system. Cornell is thus unusual in its combination of endowed and public support.

Cornell University is a collection of several undergraduate and graduate colleges and divisions. Each one, generally speaking, is housed in its own building or group of buildings and operates with considerable autonomy as to the functioning and direction of its educational programs. Together, they represent an enrollment of 11,335\* of whom 610 are studying in the Cornell Medical College and the Cornell-New York Hospital School of Nursing in New York City. Of the students resident in Ithaca, 8232 are undergraduates, and 2493 are in the graduate-level divisions.

Each of the undergraduate divisions is limited in size, that limit being determined in each case by the physical facilities available for instruction and the number of students who can properly and effectively be taught by the staff. Enrollments are: Architecture, 260; Arts and Sciences, 2834; Engineering, 1740; Hotel Administration, 381; Agriculture, 1728; Home Economics, 659; Industrial and Labor Relations, 336; Veterinary Medicine, 228; 66 students are temporarily registered in the unclassified division.

All fifty states of the United States, as well as the District of Columbia, are usually represented in the student body. In percentage of foreign students to total enrollment, Cornell ranks among the top five United States colleges and universities; each year there are approximately 800 foreign students from some eighty nations.

The faculty numbers more than 1650. The spacious campus in Ithaca covers some 500 acres; in addition, the University owns or leases more than 8000 acres for farm lands, wildlife and forest preserves, and recreational areas in the vicinity or elsewhere. The various libraries of the University contain more than 2,200,000 books.

## EDUCATION AT CORNELL

Cornell as it is today, engaged in the numerous and varied activities that make up its teaching and research program, can hardly be described in detail by the present publication. But the kinds of educational opportunity it offers, together with the sort of general information that prospective students ought to have, are briefly set forth. Courses of study are outlined, and other publications where more detailed information may be found are indicated. Any of the Cornell Announcements, listed on the inside back cover, will be mailed without charge.

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\* The registration figures are for the spring term of 1962.

## THE TEACHING DIVISIONS

**A**DMISSION to Cornell involves, in each instance, meeting the entrance requirements to one of the divisions that make up the University. The following pages give general descriptions of the work offered in the various divisions.

A separate Announcement, offering complete information about the several courses of study, is published for each division of the University. The prospective student should request the appropriate Announcement after he has determined, from the following material, what division he desires and considers himself qualified to enter. He may also wish to consult the list of *subjects of study*, identified as to colleges and schools, on pages 61-64.

For convenience, the descriptions in the following pages have been divided into three groups. The first includes divisions which admit students directly from secondary schools: 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 of Education is also included, since it supervises curricula beginning in the freshman year, although it does not actually enroll students.

The second group includes colleges and schools which admit students only after some previous college education. The Cornell University-New York Hospital School of Nursing and the New York State Veterinary College require two years; the Law School requires three years of study in an undergraduate college at Cornell or 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, and the Graduate School of Nutrition require a baccalaureate degree.

In the third group are the Division of the Summer Session and Extramural Courses, and the Division of Unclassified Students.

## THE COLLEGE OF ARTS AND SCIENCES

THE GENERAL purpose of the College of Arts and Sciences is liberal and nontechnical. The definition of a liberal college is found in the subjects that make up its curriculum; those which, in the history of human civilization, have distinguished themselves as the means whereby man has come to understand himself and the world in which he lives. As thus conceived, a liberal education is a special knowledge of some field of human understanding, erected upon a fundamental training in the humanities, the natural sciences, and the social studies.

The College of Arts and Sciences grants the degree of Bachelor of Arts. The requirements of the degree are satisfied normally in four years. Though a large part of a student's course of study is required, he does exercise a wide choice in selecting particular courses, and he has many completely unrestricted electives. The student is expected to accept a large share of responsibility in shaping his own course of study, though at all times he will 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.

A student is offered a wide choice of fields of major study: American studies, anthropology, Asian studies, astronomy, botany, chemistry, Classics, classical civilization, economics, English, French, geology, German, government, history, history of art, Italian, literature, mathematics, music, philosophy, physics, psychology, Russian, sociology, Spanish, speech and drama, zoology.

Because of the breadth and fundamental nature of its curriculum and the requirement of securing a reasonable mastery of a single field of knowledge, the College of Arts and Sciences provides the basic education for students planning to enter the professions, to continue in graduate study, or to engage at once in the activities of contemporary life. A student may satisfy in his undergraduate years in the College the requirements of the degree of Bachelor of Arts and the entrance requirements of most types of professional schools.

In selecting students for admission to the College, increasing emphasis is being placed upon quality of preparation in English, foreign languages, and mathematics. (See "Subject and Test Requirements," page 32.)

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*.

*In Goldwin Smith Hall are some of the  
offices and classrooms of  
the College of Arts and Sciences.*



## THE NEW YORK STATE COLLEGE OF AGRICULTURE

THE COLLEGE of Agriculture offers a wide selection of courses emphasizing the basic and agricultural sciences.

The regular undergraduate program covers four academic years and leads to the degree of Bachelor of Science. Students do not follow a prearranged curriculum; instead they select, with the help of a faculty adviser and within broad requirements for the degree, courses that will best prepare them for their objectives. Graduates 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. 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 the findings to practical situations and problems. Many graduates continue their studies in graduate or professional schools.

A special five-year program has been arranged in cooperation with the College of Engineering and leads to the degree of Bachelor of Agricultural Engineering.

*Students at work in a plant pathology laboratory.*



The various departments of the College offer, through the Graduate School, 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 two-year and adult special programs of college grade but not in themselves leading to a degree. Work completed in these 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.

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.

## THE COLLEGE OF ENGINEERING

THE AIM of the five-year undergraduate engineering program is to provide education that is fundamental for all engineers, whatever their special field of interest. This amplified program equips the student planning to continue into graduate study with a superior background and with advanced standing in his graduate program. For the student going into industry after graduation, it provides a fuller, more sophisticated engineering education than is possible in a conventional, four-year curriculum. The five-year framework gives flexibility to his entire program, allowing him a variable amount of nonscientific and non-technical course work.

A Bachelor's degree is offered in each of the following fields: agricultural (offered as a joint program with the College of Agriculture), chemical, civil, electrical, industrial, mechanical, and metallurgical engineering, and engineering physics.

All engineering students matriculate in the Division of Basic Engineering Studies for two years for a common program of fundamentals in physics, chemistry, mathematics, applied mechanics, electrical science, and engineering problems and methods. Final choice of a branch of engineering is, for most students, made at the end of the sophomore year.

Aerospace engineering is a graduate program leading to the Master's or the Doctor's degree. The undergraduate in engineering physics, electrical engineering, or mechanical engineering can arrange his technical electives for his fourth and fifth years to provide a substantial program in aerospace engineering, although his Bachelor's degree will be in his basic field. This aerospace course work may be used as a preparation for graduate study or as a preparation for work in the aerospace industries.

An undergraduate program in nuclear engineering may be elected by qualified students in their fourth and fifth years. A series of coordinated courses in nuclear technology, of introductory, advanced, and supplementary nature, comprise a relatively complete coverage of the field of nuclear engineering at the undergraduate level. These courses, together with the student's work in one of the major branches of engineering, provide an especially sound background for graduate work in nuclear science and engineering.

The Industrial Cooperative Program is open to selected undergraduates. It utilizes the summer periods after the sophomore year for work and study and is so organized as to integrate the student's whole engineering education with appropriate work assignments in a selected industry. Rather than being designed as a "financial aid," the program aims at coordinating education and experience, thus enriching the preparation for an engineering career. Graduating with his regular class, the student in this special group follows the same academic program as does the regular student.

*Upson Hall  
of  
Mechanical  
Engineering,  
one of the  
new  
buildings  
on the  
Engineering  
Quadrangle.*



Qualified upperclass students, with the approval of the faculty of their individual professional schools, may choose their electives so that professional Masters' degrees may be obtained in less than the normally required additional year of graduate work beyond the Bachelor's degree.

Qualified fifth-year students, with the approval of the appropriate faculties, may elect to register concurrently in engineering and either law, business and public administration, or city and regional planning. The combined programs lead to graduation with a Bachelor's degree in engineering and to an advanced degree in the second course of study, effecting a saving of one year over the time needed if the two programs are followed separately.

Graduate study, leading to the Master's or the Doctor's degree, is offered by all divisions of the College.

Inquiries should be addressed to the College of Engineering and should specify if the writer is a prospective student.

## **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 of the program is twofold: to provide, through the facilities of the College and the University, a liberal education in the social and natural sciences, the humanities, and the arts, and specialized instruction based upon these disciplines. The College prepares its graduates for 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 preparation for an increasing variety of positions.

The program of liberal studies emphasizes those subjects which have aided man to understand himself and the world in which he lives. It also furnishes the student with 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. Extension Teaching



*The study of science, as well as the arts and the social sciences, supplements the work in home economics. Above, a group performs an experiment in a laboratory section of a course in chemistry and its application to food preparation.*

and Information, a joint department with the College of Agriculture, offers courses in all branches of communications, for students in both colleges.

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

Graduate study in the College leads to either the Master's or the Doctor's degree. Graduate work 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 the cooperative extension services; 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, Edmund Ezra Day Hall.

## THE SCHOOL OF HOTEL ADMINISTRATION

THE PURPOSE of the special program in hotel and restaurant administration is to give a 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,

*In hotel administration, students plan the weekend Hotel Ezra Cornell, handling, without faculty supervision, financing, promotion, purchasing, rooms, food, and entertainment for about 500 visiting hotel and restaurant operators.*



general and specialized hotel accounting, food and beverage control, business administration, personnel management, insurance, real estate management, 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 degree of Bachelor of Science.

Students receive practical training through the operation of Statler Hall, 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 COLLEGE OF ARCHITECTURE**

THE COLLEGE of Architecture offers undergraduate instruction leading to degrees in the fields of architecture and practice of art. At the graduate level, instruction is given in architecture, landscape architecture, city and regional planning, and art.

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.

Well-qualified students who hold a professional degree in architecture from an accredited institution may be admitted to the Graduate School as candidates for the degree of Master of Architecture.

Students who wish to undertake graduate study in the history of architecture may be admitted to the Graduate School as candidates for the degree of Master of Arts or Doctor of Philosophy.

Students who wish to undertake graduate study in architectural structures may be admitted to the Graduate School as candidates for the degree of Master of Science.

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.

Graduate work in art is offered to students who have completed their undergraduate training in painting, sculpture, or graphic design, and

have proved their capacity to do independent, creative work. These students become candidates for the degree of Master of Fine Arts, which is awarded upon successful completion of a two-year course of study in the Graduate School.

Students who hold degrees in architecture or landscape architecture from accredited programs may be admitted to the Graduate School as candidates for the Master's degree in landscape architecture. The requirements for the degree demand from one to two years of study depending on previous preparation in this field.

In the field of city and regional planning, qualified 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 be accepted in the Graduate School as candidates for the degree of Master of Regional Planning. Two years of graduate study are ordinarily 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 advanced scholarly research.

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

*Exhibition space in Sibley Hall has shows of student work in architecture, city planning, and painting as well as sculpture.*





*The new complex of buildings housing the School of Industrial and Labor Relations includes Irving M. Ives Hall, which surrounds the I.L.R. Quadrangle (foreground of architect's sketch). Ives Hall contains the School's faculty and administration offices, library, and classrooms.*

## **THE NEW YORK STATE SCHOOL OF INDUSTRIAL AND LABOR RELATIONS**

THE SCHOOL of Industrial and Labor Relations offers a comprehensive program of professional training at the undergraduate and graduate levels in the field of industrial and labor relations.

The four-year course of study leads to the degree of Bachelor of Science. The undergraduate curriculum is designed to bring the beginning student into immediate contact with the subject matter of industrial relations and with the complementary instruction in English, mathematics, and the behavioral and the social sciences. In the latter years, the student meets defined requirements of concentration in the field of industrial and labor relations and undertakes elective courses appropriate to his professional development.

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

## 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; advanced students may prepare for positions as teachers in elementary schools, high schools, and colleges; school principals, superintendents, and supervisors; guidance counselors; and 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 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.

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 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 functions of the animal body, in the 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



*New buildings of the Veterinary College: Schurman Hall, administration; the Flower Library; and the Walter L. Williams Clinic.*

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

## **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 final examinations.

The Graduate School faculty, as a unit, exercises sole jurisdiction over the 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 these degrees. 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 noncandidates 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 satisfactorily to pursue advanced study and research; and (3) have had adequate preparation to enter graduate study in his chosen field. However, despite very good academic records, 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 should be addressed to the Dean of the Graduate School, Edmund Ezra Day Hall. Inquiries regarding facilities for advanced study and research in a given field and special requirements for such study 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. Those interested in the possibility of entering the Graduate School should feel free to inquire about opportunities for fellowship support and for part-time employment in teaching and research programs of the various fields.

## **THE GRADUATE SCHOOL OF NUTRITION**

THE AIM of the Graduate School of Nutrition is to provide a thorough background basic to nutritional science and food science. In addition, a broad training program gives the student opportunities for practical application of the basic principles of human and animal nutrition and of food preparation, processing, or distribution.

Applicants to the School must hold a baccalaureate degree from a college or university of recognized standing. Usually the applicants become candidates for the Master of Nutritional Science or the Master of Food Science degree. Admission in the noncandidate status is open to applicants who desire to register for a term or more to take specific courses but who do not wish to become candidates for a degree.

Requests for further information should be addressed to the Secretary of the Graduate School of Nutrition, Savage Hall.

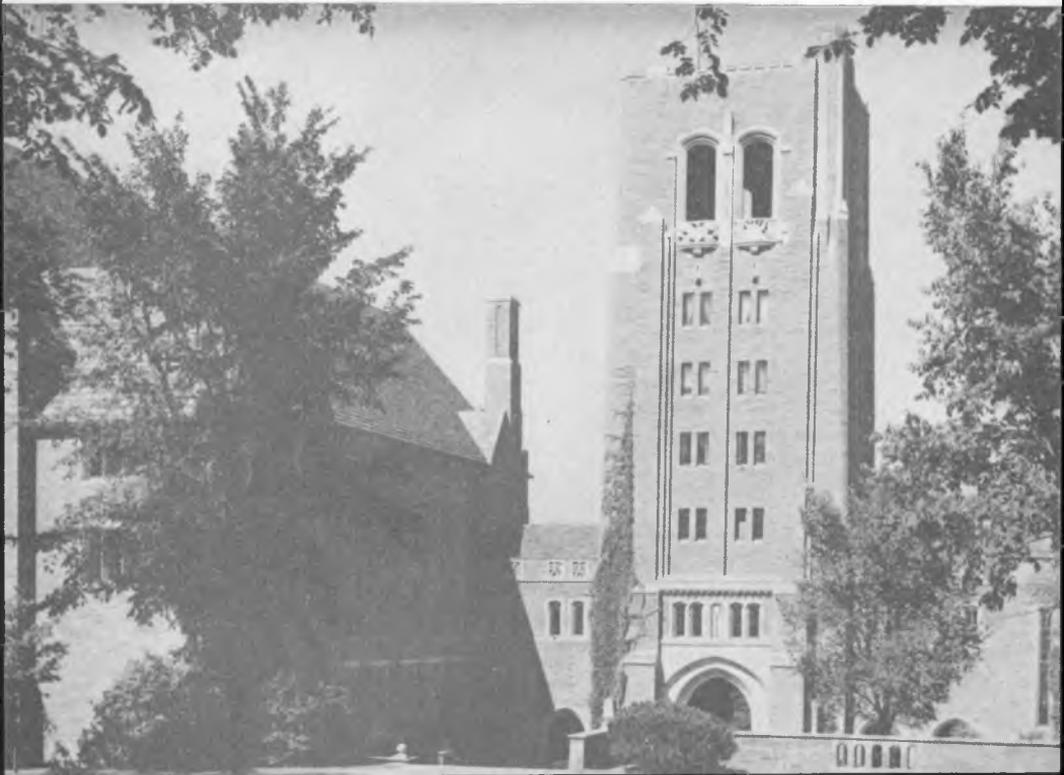
## THE LAW SCHOOL

THE PRIMARY function of the Law School is to prepare, for both public and private practice, attorneys 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. Exceptions are made in the case of students in the College of Engineering, who are allowed in their fifth year to elect courses in the Law School, subject to the approval of both divisions. 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

*Myron Taylor Hall, home of the Cornell Law School, was the gift of Myron C. Taylor, LL.B., '94.*



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 Division of Law. 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 that School.

## **THE GRADUATE SCHOOL OF BUSINESS AND PUBLIC ADMINISTRATION**

THE OBJECTIVE of the Graduate School of Business and Public Administration is to provide the best possible education, at the graduate level, for administrative careers in private business and public service. Accordingly, the School believes its graduates should demonstrate: (1) understanding of basic literature in administration; (2) ability to make decisions wisely in important functional areas; (3) skill in dealing rationally with problems of top levels of administration; (4) respect for high technical and ethical standards of professional competence and conduct; (5) interest in advancing the art of administration; and (6) comprehension of the contributions of the underlying quantitative and behavioral sciences to effective administration.

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.

After completing the basic program in either business or public administration required of all students, Master's degree candidates may specialize in one of the following concentrations: accounting, agricultural management, business management, city management, finance, hospital administration, managerial economics, marketing, personnel management, production, public management (with general public administration, federal administration, and international and foreign operations options), or transportation. The content of the concentration is determined by the student in consultation with his adviser. A student may be permitted to undertake a special concentration such as resources management, public utilities, or economic and business history.



*This new building will house the teaching and research facilities of the Graduate School of Business and Public Administration (architect's sketch).*

The School has, for qualified students, a number of combined programs with other Cornell schools and colleges, for example, in agriculture, engineering, and law.

The Doctor of Philosophy program provides an advanced and comprehensive education in administration, primarily for those who seek careers in teaching or research. Candidates must meet the entrance requirements of the Graduate School.

Requests for further information should be directed to the Administrative Aide to the Dean, Graduate School of Business and Public Administration, McGraw Hall.

## **THE MEDICAL COLLEGE**

THE CORNELL University Medical College is in New York City and is associated with The New York Hospital in The New York Hospital-Cornell Medical Center.

In The New York Hospital-Cornell Medical Center are included the Hospital for Special Surgery and the Cornell University-New York Hospital School of Nursing. Included also in an effective union with the Medical College for teaching and research are the Second Division of Bellevue Hospital, and the Memorial Center for Cancer and Allied Diseases, consisting of the Memorial Hospital, the Sloan-Kettering Institute for Cancer Research, and the James Ewing Hospital of New York

City for the care of medically indigent cancer patients. This neighboring center is closely associated with Cornell University by the establishment of a graduate division of the Medical College known as the Sloan-Kettering Division of Cornell University Medical College.

The curriculum of the Medical College leads to the degree of Doctor of Medicine and qualifies graduates for licensing examinations in all states and territories of the United States. The course of study covers four academic years.

Applicants for admission to the Medical College must be graduates of approved universities, colleges, or scientific schools.

Graduate study, leading to the degree of Master of Science and the degree of Doctor of Philosophy, is offered to a limited number of well-qualified students who can satisfy the requirements for admission to the Graduate School of Cornell University and who wish to study in the fields of anatomy, microbiology and immunology, biochemistry, pathology, pharmacology, physiology, or public health.

Requests for information should be addressed to the Chairman, Admissions Committee, Cornell University Medical College, 1300 York Avenue, New York 21, New York.

## **THE CORNELL UNIVERSITY-NEW YORK HOSPITAL SCHOOL OF NURSING**

THE SCHOOL OF NURSING, like the Medical College, is in New York City at The New York Hospital-Cornell Medical Center. The program offers to young women a preparation in nursing which qualifies them for professional practice in public health agencies, hospitals, and other community health facilities. Unlimited opportunities for participation in vital health services at home and abroad are open to graduates.

Requirements for admission to the School include two years of general college work in an accredited college or university. These two years may be taken in any university, college, or junior college accredited by one of the regional associations of colleges and secondary schools, including the College of Arts and Sciences, the College of Home Economics, and the College of Agriculture in Cornell University at Ithaca.

The course of study in the School of Nursing is three academic years in length and leads to the degree of Bachelor of Science in Nursing.

Requests for further information should be addressed to the Dean of the Cornell University-New York Hospital School of Nursing, 1320 York Avenue, New York 21, New York.

## **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 those who have a reasonable prospect of achieving their new goal are 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 as early as possible in his college career.

Application should be made at the Office of the Director in 158 Olin Hall at least three or four weeks before the opening of either semester. 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, however, 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. To be recommended for transfer, the candidate must achieve an average of at least the University median while in the Division.

Registration in the Division is on a semester basis. One semester is usually a sufficient period to determine a student's fitness for the newly chosen course. A second term of registration may be permitted in a few instances where definite progress has been made and it appears rather certain that the candidate will qualify for successful transfer. If at the end of two terms he 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 to admit students, drop them, place them on probation, or remove them from probation that is exercised by a special faculty committee with respect to the students of its college. Students in the Division are regular students in the University; if in good standing they may participate, like any other students, in extracurricular activities.

## **THE DIVISION OF SUMMER SESSION AND EXTRAMURAL COURSES**

CORNELL UNIVERSITY provides opportunity through this Division 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 are planned to serve the needs of special groups through institutes, conferences, informal study, and seminars. All the necessary facilities of the University are available to persons registered in the Summer Session. Particular advantage is taken of 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 more than seven credit hours in a single term. This opportunity is available in two forms: (a) courses made available 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, 117 Edmund Ezra Day Hall.

*A new unit of the women's dormitories has been named for Judge Mary H. Donlon '20.*



## ADMISSION TO CORNELL

**T**HE FIRST step toward entering an undergraduate college or school is to write to the Director of Admissions, whose office is in Edmund Ezra Day Hall, for an application blank. Correspondence regarding 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 ADMISSIONS POLICY

CORNELL UNIVERSITY welcomes applications for admission from all those who are interested in studying at Cornell, regardless of race, religion, creed, or nationality. Selection of students is not governed in any way by those factors.

The University's colleges and schools include eight offering 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 who can be accommodated. The number of applicants with minimum qualifications generally exceeds the number who can be admitted, thus creating a highly competitive situation among candidates. Those are selected each year who, in competition with all 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 is a competitor 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, meeting all other qualifications, appear well fitted for the particular field of work to which the course of study is directed.

The selection of the proper college course is therefore most important. A choice should be made only after careful thought, investigation, and consultation with those familiar with the candidate's abilities and interests. Secondary school advisers should be consulted. The Office of Admissions is always ready to help prospective applicants in this manner.

*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 whole secondary school record, the recommendations of his school principal, 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 time is an important consideration. 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 the use he has made of summer vacations. Work experience which is related to the candidate's educational objective is particularly valuable.

*CHARACTER AND PERSONALITY . . .* The intangible but important factors which go to make up a person of good character, personal integrity, and effective personality receive full consideration by the Selection Committee. Capacity for leadership and concern for others receive due weight. These factors are usually judged by the principal's report and references submitted on behalf of the candidate. Several divisions of the University require personal interviews at specified times. In all cases candidates will be given ample notice if and when an interview is desired.

*GEOGRAPHICAL DISTRIBUTION . . .* Cornell University draws its students from all parts of the world and from all walks of life. 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 policy to the preservation of this fundamental characteristic.

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 will, however, be 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 is eager 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, and personality, as described above, the son or daughter of an alumnus will generally have 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 this group of applicants.

*Students in geology and civil engineering classes may have assignments in Fall Creek Gorge, one of the two spectacular gorges on the Cornell campus.*



## FRESHMAN APPLICATIONS

*THE TIME FOR APPLYING . . .* Applications—admission and financial aid—must be received at the University in ample time to allow for assembling credentials, completing required tests, and reviewing by the committees. Secondary school students should, if possible, initiate their applications in the fall of the year preceding matriculation in college. Application due dates for the various divisions of the University are indicated in the section “Application Due Dates,” page 34. The review of applications for all divisions of the University will begin not later than the first of February.

*ADMISSION . . .* A candidate for admission as a freshman must satisfactorily complete secondary school subjects carrying a value of at least sixteen entrance 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 27–34. These 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 one of two ways: by presenting an acceptable school record, or 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 35.)

An Early Decision Plan is available to a limited number of highly qualified male candidates whose college preference is clearly Cornell. Only senior men who are superior in terms of school performance during the first three years, junior-year scholastic aptitude tests of the College Entrance Examination Board, personal qualities, and school recommendations are encouraged to apply. Write to the Office of Admissions for additional information about this program.

*FINANCIAL AID . . .* Candidates for admission who also desire financial aid should note carefully the section “Financial Aid,” pages 52–53. A separate financial aid application is required.

## 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 mathematics, two units. It is

strongly recommended that high school students carry enough courses to offer eighteen entrance units and that these include biology, chemistry, physics, and at least three units of mathematics. The scholastic aptitude test of the College Entrance Examination Board is required. Applicants are encouraged to complete achievement tests in English composition, in mathematics, and in a science.

Special two-year courses are also available in the College. For details consult the Announcement of those courses.

*AGRICULTURAL ENGINEERING, B.Agr.E. (awarded by College of Engineering), five years.*

Applicants for this professional engineering division must satisfy the entrance requirements of both Agriculture (above) and Engineering (below). The first four years are as registrants in the College of Agriculture and the fifth year in the College of Engineering.

*ARCHITECTURE, B.Arch., five years. B.F.A., four years.*

*Architecture (B.Arch.).* Sixteen units including English, four; mathematics, four; foreign language, three (or two years in each of two foreign languages, four). Mathematics must include intermediate algebra, plane geometry, and trigonometry, taken either as separate courses or included within comprehensive mathematics courses. In certain cases, three units in history or science may be substituted for the requirement in foreign language for entrance. The scholastic aptitude test of the College Entrance Examination Board is required.

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. Remaining units should, in the main, consist of foreign language, science, and social studies (including history). The scholastic aptitude test of the College Entrance Examination Board is required.

Entrance credit on the basis of the school record will be granted only in those subjects completed in a secondary school with standards acceptable to the University and only in those subjects where the candidate has attained the college recommending mark of the school.

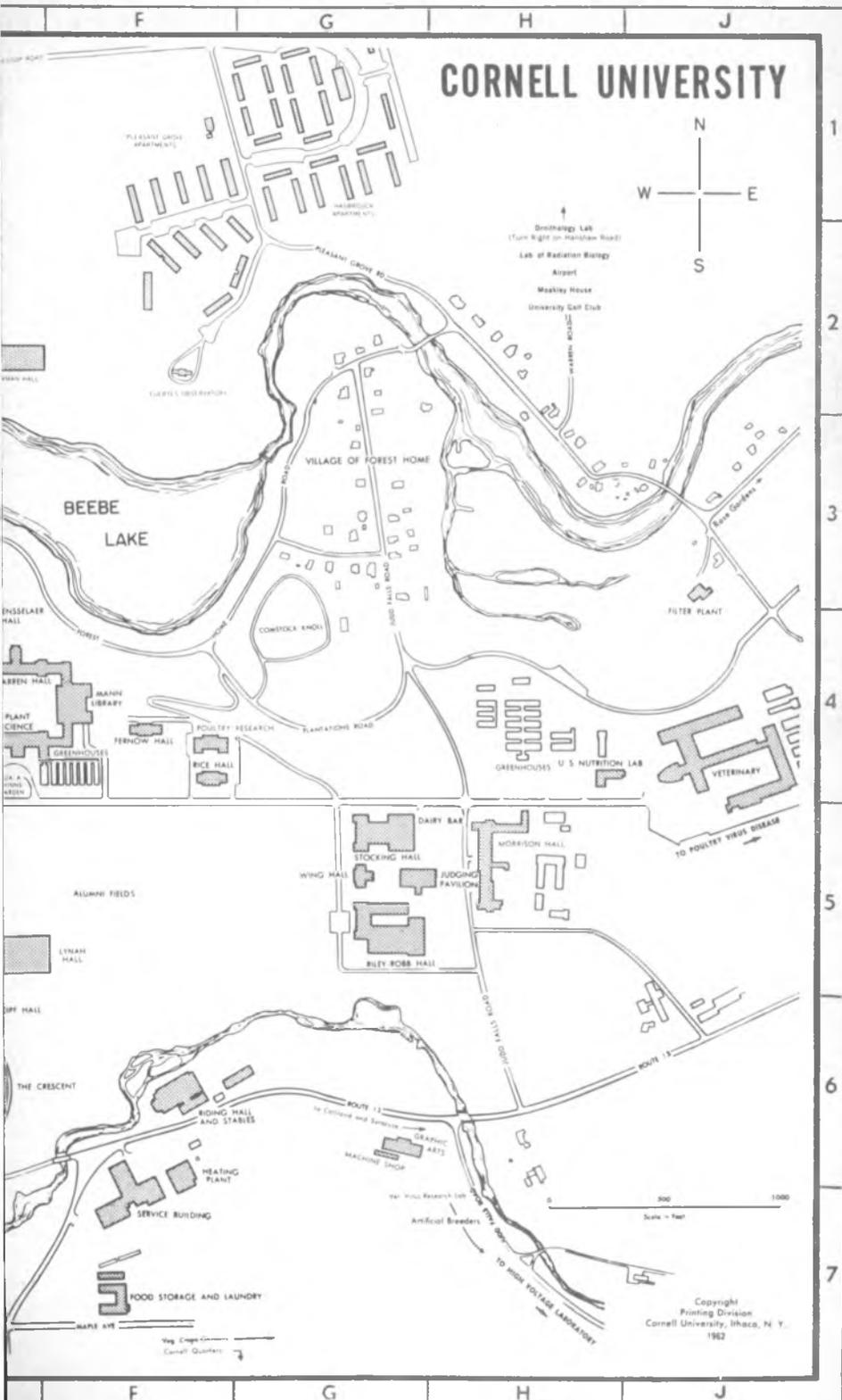
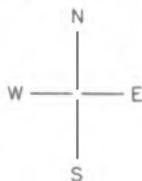
*(Continued on page 32)*

## KEY TO THE CAMPUS MAP ON THE PAGES FOLLOWING

- Alumni (Athletic) Fields F5  
 Artificial Breeders H7  
 Astronomy D4; Fuertes Observatory F2  
 Bacon Athletics Cage E6  
 Bailey Hall D4, auditorium  
 Baker Dormitories B4, men's residences  
 Baker Laboratory D3, chemistry  
 Balch Halls E2, women's residences  
 Bard Hall C6, metallurgical engineering (1963)  
 Barnes Hall C5, campus store, auditorium  
 Barton Hall D5, military training  
 Big Red Barn D4, alumni center  
 Caldwell Hall E4, agronomy  
 Campus Store C5, Barnes Hall  
 Carpenter Hall C6, engineering library & administration  
 Cascadilla Hall B7  
 Collyer Boat House, Cayuga Lake Inlet  
 Comstock Hall E4, entomology, limnology  
 Comstock House D2, women's residence  
 Cornell Quarters G7, student families  
 Crescent E6, football stadium  
 Dairy Bar Cafeteria G5  
 Day Hall C5, administration  
 Dickson Hall E1, women's residence  
 Donlon Hall E1, women's residence  
 Educational Field Services & Placement Bureau D2, 320 Wait Ave.  
 Fernow Hall F4, conservation  
 Filter Plant J3  
 Food Storage and Laundry F7  
 Franklin Hall C3, Asian Studies, art  
 Gannett Medical Clinic C5  
 Goldwin Smith Hall C4, arts and sciences  
 Graphic Arts Services G6  
 Greenhouses F4, H4  
 Grumman D6, aerospace engineering  
 Grumman Squash Courts E6  
 Hasbrouck Apts. G1, student residences  
 Heating Plant F6  
 High Voltage Lab. H7, 909 Mitchell St.  
 Hollister Hall C6, civil engineering  
 Hoy Field D6, baseball  
 Hughes Hall C6, law student residence  
 Hydraulic (Applied) Laboratory D3  
 Industrial & Labor Relations Conference Center D5-E5  
 Ives Hall D5, industrial & labor relations  
 "Japes" E2, recreation, group meetings  
 Judging Pavilion H5  
 Kimball and Thurston Halls C6, engineering mechanics & materials  
 Library Clock Tower C4  
 Lincoln Hall C3, music, speech & drama  
 Lynah Hall E5, ice skating  
 Mann Library F4, agricultural-home economics library, Bailey Hortorium  
 McGraw Hall C4, geology; business & public administration  
 Minns Garden E4  
 Moakley House H2, recreation center, golf  
 Morrill Hall C4, sociology, anthropology, modern languages, psychology  
 Morrison Hall H5, animal husbandry  
 Newman (Helen) Hall E2, women's physical education  
 Newman Laboratory D3, nuclear studies  
 Noyes Lodge E2, cafeteria, recreation  
 Nuclear Reactor Laboratory D6  
 Olin Hall C5, chemical & metallurgical engineering (*see also* Bard)  
 Olin (John M.) University Library C4  
 Ornithology, Sapsucker Woods Rd. via Warren & Hanshaw Rds. H1-2  
 Phillips Hall D6, electrical engineering, radio-physics & space research  
 Plant Science Building F4  
 Pleasant Grove Apts, F1, student families  
 Poultry Research F4  
 Poultry Virus Disease Laboratory J5  
 Radiation Biology Lab., Warren Rd. H1  
 Rand Hall D3, hospital administration, Computing Center  
 Rice Hall F4, poultry husbandry  
 Riding Hall and Stables F6  
 Riley-Robb Hall G5, agricultural engineering  
 Risley Hall D2, women's residence  
 Roberts Hall E4, agriculture administration  
 Rockefeller Hall D4, physics  
 Rose Gardens, road to, J3  
 Sage Chapel C5  
 Sage Hall D5, graduate center  
 Savage Hall E3, nutrition  
 Schoellkopf Field and Hall E6, athletics  
 Service Building F7  
 Sibley Hall C3, architecture, history, government, fine arts library  
 Statler Hall D5, hotel administration  
 Stimson Hall C4, zoology  
 Stocking Hall G5, dairy & food science, bacteriology  
 Stone Hall E4, education  
 Suspension Bridge C3  
 Taylor (Anabel) Hall C6, interfaith center  
 Taylor (Myron) Hall C6, law  
 Teagle Hall E5, men's physical ed. & sports  
 Thurston Hall (*see* Kimball)  
 Toboggan Lodge E3, recreation  
 Triphammer Bridge D3  
 University Halls B4, men's residences  
 University Press C2  
 Upson Hall D6, mechanical engineering  
 U. S. Nutrition Laboratory J4  
 Van Rensselaer Hall E3, home economics  
 Vegetable Gardens G7  
 Veterinary College J4  
 Veterinary Virus Research Laboratory H7  
 Visitor Information C5  
 von Cramm Scholarship Residence (men) A4  
 Warren Hall E4, agricultural economics, rural sociology  
 White Hall C3, mathematics  
 White Museum of Art D4  
 Willard Straight Hall C5, student union  
 Wing Hall G5



# CORNELL UNIVERSITY



(Continued from page 28)

*ARTS AND SCIENCES, A.B., four years.*

Sixteen units of entrance credit are required, representing at least four years' work in a preparatory or high school. The sixteen units are to include four years of English, three years of preparatory mathematics, and three of a foreign language (ancient or modern) and a satisfactory score on the College Entrance Examination Board achievement test in the language. Candidates who have had less than three years of preparation in a foreign language but who make a satisfactory score on the achievement test will meet the requirement. 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 the scholastic aptitude test, the English Composition test, and the achievement test in language given by the College Entrance Examination Board in December or January, and to request the Board to report the results to the Director of Admissions, Cornell University. Though three years of instruction or a satisfactory score in a single language is required, candidates who have two or more years in each of two foreign languages and wish to complete the requirement for graduation from Arts and Sciences in these languages should take the test in both languages. Acceptable scores on the achievement tests in modern foreign languages will be set to correspond with the actual amount of instruction received at the time the tests are taken and to measure the achievement after one and a half years, two and a half years, or three years of instruction.

*ENGINEERING, two-year Basic Program followed by three years leading to a Bachelor's degree in engineering in the appropriate field; total of five years.*

Sixteen units including English, four units; one foreign language, two units, or 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, or 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 language or history. The mathematics units listed above may be taken as separate courses or may be included within four units of comprehensive college preparatory mathematics.

The scholastic aptitude test of the College Entrance Examination Board is required.

All candidates must take College Entrance Examination Board's achievement tests in mathematics and in chemistry or physics. Applicants who will have completed elementary and intermediate algebra and plane geometry by the end of the junior year should take the test in intermediate mathematics in May of the junior year or in December or January of the senior year. Applicants in accelerated programs who complete trigonometry and solid geometry or advanced algebra by the end of the junior year should take the test in advanced mathematics at the above times. Applicants should take the achievement test in chemistry or physics in May of the junior year or in December or January of the senior year, provided they have completed one year of study in the subject in the junior year. Otherwise the test should be taken in March or May of the senior year.

*HOME ECONOMICS, B.S., four years.*

Because students in the College normally carry five or six subjects each semester, eighteen college entrance units are required. At least sixteen of these units should be in typical college preparatory courses, and they must include four units of English, biology, chemistry or physics, and three units of mathematics.

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 per cent 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 which must include English, four units, and mathematics, two units. The remaining units should include sciences (preferably chemistry, or physics, or both), additional mathematics, social studies, and a foreign language. The Scholastic Aptitude Test of the College Board is required.

*INDUSTRIAL AND LABOR RELATIONS, B.S., four years.*

Sixteen units, including four units of English. The remaining twelve units should consist of college preparatory courses such as foreign language (ancient or modern), history, mathematics, science, and social stud-

ies. The scholastic aptitude test of the College Entrance Examination Board is required. Candidates are encouraged to present results of achievement tests in English composition and in mathematics.

*VETERINARY MEDICINE, D.V.M., four years.*

Satisfactory completion of two years' study in an approved college or university are 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. The requirement *cannot* be met in the special two-year course in Agriculture. See *Announcement of the New York State Veterinary College.*

## APPLICATION DUE DATES

APPLICATIONS for admission in September, 1963, should be submitted by January 1 if possible. This date has been set to provide adequate time to process and review applications so that most applicants can be advised of the outcome before April 15.

Early Decision Plan candidates must submit their applications by December 1 of their senior year. Decisions are rendered by January 1.

Some prospective students, however, may not find it feasible to have

*The new Olin Library, for graduate students and faculty, is near the "tower library," just renovated and redecorated for the use of undergraduates.*



their applications on file by January 1. Hence some leeway has been provided in the schedule as follows:

For Arts and Sciences, February 15 is the final due date.

For Home Economics, and Veterinary Medicine, March 1 is the final due date, after which no further applications can be considered.

For Agriculture, Architecture, Engineering, Hotel Administration, and Industrial and Labor Relations, applications will be received at least until March 1. Applications will be received after March 1 if available places remain to be filled.

An additional application is required of those interested in financial assistance. The financial aid application should also be filed by January 1 if possible, but in no case later than February 15.

## ENTRANCE SUBJECTS AND UNITS

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 are listed below. 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	Physical geography .....	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
<b>VOCATIONAL SUBJECTS</b>	
Agriculture .....	1/2-7
Bookkeeping .....	1/2-1
Drawing .....	1/2-1
Home economics .....	1/2-6
Industrial arts .....	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 27-34, the reader will note that at least sixteen entrance units are prescribed, with some subjects either recommended or definitely 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* . . . These 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," available on request from the Office of Admissions.

### **TEST REQUIREMENTS OF THE COLLEGE ENTRANCE EXAMINATION BOARD**

COLLEGE Board test requirements are listed specifically for freshman candidates in the section "Subject and Test Requirements," pages 27-34; for transfer candidates in the section "Admission of Transfer Students," beginning on page 38.

*Willard Straight Hall, the student union, is headquarters for many extracurricular activities. Its dining rooms and art, music, and reading rooms are popular.*



Candidates are urged to take the scholastic aptitude test in either December or January, not any later, for fall entrance. They should request the College Entrance Examination Board to send their test scores to the Office of Admissions, 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, or Box 27896, Los Angeles, California.

## **ADMISSION OF TRANSFER STUDENTS**

A STUDENT who has attended another college or university and plans to transfer to an undergraduate course at Cornell should file an application for admission (see the section "Application Due Dates," page 34). An official transcript from the institution he has attended, giving evidence of honorable dismissal, and a statement of his secondary school record on a blank that will be supplied by the admissions office are also necessary. The scholastic aptitude test of the College Entrance Examination Board is required for consideration in Agriculture, Architecture, Arts and Sciences, Engineering, Home Economics, Hotel Administration, and Industrial and Labor Relations. The scholastic aptitude test should be taken in December for February applicants or in December or January for September applicants. The applicant should be prepared to send a copy of the institution's catalog, on which he has written his name and checked each course he has taken, only if requested to do so.

Because of regulations governing residence and housing limitations, only a very few women with advanced standing can be accepted 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 will weigh heavily in the selection. Preference will be given to candidates for sophomore standing whose freshman program has consisted of courses similar in kind to courses offered in the College of Arts and Sciences and permitting easy integration with the undergraduate curriculum. Final action on applications will be taken only after receipt of the complete transcript of record.

## **ADMISSION OF SPECIAL STUDENTS**

A CANDIDATE for admission as a special student should consult the Announcement of the division of the University in which he wishes to study, because the requirements of the various colleges are not all alike.

An applicant must give evidence of ability to do creditable work in his chosen field, and he must be recommended for admission by the division in which he proposes to study. Several of the colleges have minimum age limits for special students, although these age limits are waived for those who already hold the Bachelor's degree.

## ORIENTATION

**T**HE UNIVERSITY sponsors an orientation program at the beginning of the school year, which seeks to acquaint the new student with the academic, extracurricular, and social life of the University.

Some of the colleges at Cornell individually conduct extended orientation programs or courses throughout the year for their own students.

## COUNSELING SERVICES

**T**HE UNIVERSITY, through the Office of the Dean of Students, maintains counseling services that are available at all times to any student who needs assistance, either in connection with routine matters that may come up in his normal life on the campus or in connection with special personal problems.

The staff of the Office of Dean of Students is prepared to assist students in answering questions regarding educational programs, health, and extracurricular activities. Referrals may be made to other professionally trained members of the University or college staffs who are best qualified to be of assistance in the particular problem.

Responsible adults and student counselors, who are members of the staff of the Dean of Students, live in the residence halls and sororities and are available at all times to help with individual and group problems.

The services of the Dean of Students' Office are available to many of the student organizations that deal with student government, the social program, fraternities and sororities, and other extracurricular activities.

Students may also be referred to the Educational-Vocational Guidance Office, 301 Stone Hall, for diagnosis of academic problems, for assistance in selecting a curriculum, or for determining vocational goals.

In addition to the University-wide counseling services, the various colleges and schools of Cornell maintain counseling facilities for their students, offering them advice on matters that arise in connection with courses of study and other academic work.

Additional counseling services to students are described in the sections "Foreign Students" (page 41), "Financial Aid" (pages 52-53), and "Vocational Guidance and Placement" (below).

## VOCATIONAL GUIDANCE AND PLACEMENT

**C**ORNELL University makes every effort to assist students in entering the careers for which they are preparing. Vocational counseling begins in the separate colleges and schools, where the undergraduate will be assigned a faculty adviser who will help him in the selection of courses that will give the best preparation in the chosen field. There is an office of Educational-Vocational Guidance in Stone Hall to assist students in determining vocational goals.

Most of the colleges and schools maintain student personnel offices designed to help the student get the sort of job he wants following graduation. These personnel offices work with the University Placement Service in Edmund Ezra Day Hall, which has a full-time staff available for consultation. The Placement Service arranges interviews with employers, supervises the assembling and presentation of personnel records,



*"Radio Cornell"  
(WVBR-FM) is  
manned by students  
and broadcasts a  
daily program of  
music and national  
news.*

and assists Cornell men and women who are ready for positions in business, industry, government, and other agencies. It also assists students in obtaining summer employment.

For those intending to teach at any academic level, there is a separate Educational Placement Bureau at 320 Wait Avenue.

## FOREIGN STUDENTS

**T**HE 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. It is suggested that foreign students report to the International Student Office, 142 Edmund Ezra Day Hall, when they arrive at Cornell.

## HOUSING FOR STUDENTS

*UNDERGRADUATE MEN . . .* Cornell University provides attractive, quiet dormitories for approximately 2,000 men. These dormitories 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 and overlooking Cayuga Lake to the north, the valley to the south. The area is bounded by West, University, and Stewart Avenues and Campus Road. There are two groups of dormitories: the Baker Group and University Halls.

**THE BAKER GROUP** comprises Baker Tower, Founders Hall, North Baker Hall, South Baker Hall, Mennen Hall, Lyon Hall, and McFaddin Hall. It is of fireproof construction, English collegiate in design, and affords accommodations for approximately 650 men.

**UNIVERSITY HALLS**, consisting of six buildings, were opened in 1954 and accommodate 1350 men. They are of modern fireproof construction and offer excellent study, social, and recreational facilities.

Students not assigned to dormitories under direct supervision of the University secure quarters in fraternity houses (for members only), rooming houses, cooperative houses, or private homes.

An application form for University dormitories 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 dormitories can be guaranteed for entering freshman students who have been admitted to the University and have filed dormitory applications by May 15.

Cornell men are at liberty to dine wherever they choose; but, within

its varied food service program, Cornell offers a special dining arrangement for its student men. This meal plan, which is entirely optional in every way and available to any Cornell man, incorporates many desirable features. 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; Baker Cafeteria in University Hall, Unit I; the Noyes Lodge on Beebe Lake; the College of Home Economics Cafeteria in Martha Van Rensselaer Hall; and the Dairy Bar Cafeteria in Stocking Hall. Devised to meet student needs, this dining arrangement encourages good eating habits in comfortable surroundings and a friendly atmosphere; it is designed for economy and convenience and allows for a wide menu selection and a liberal mealtime schedule.

**UNDERGRADUATE WOMEN . . .** Cornell University provides comfortable, well furnished dormitories and dining rooms for undergraduate women students. Undergraduate women are required to live in University-operated dormitories, or sororities (for members only), unless, because of exceptional circumstances, other arrangements are approved by 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 . . .** Sage Hall, the graduate center, provides dormitory housing for approximately 200 men and women. Situated in the center of the campus, it is convenient to all colleges. Its dining facilities are operated as a public cafeteria.

**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 Heights (246 apartments).

*Detailed information on all types of housing, including off-campus housing for men and married students, may be obtained by writing the Department of Residential Halls, Edmund Ezra Day Hall.*

## HEALTH SERVICES AND REQUIREMENTS

**T**HE STUDENT Health Service provides facilities for comprehensive medical care. To help students achieve their educational goals the objectives are: (1) the diagnosis and treatment of illness (physical and emo-

tional) with minimum time lost 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 College and University General Fee.

## **THE CLINIC AND INFIRMARY**

Outpatient care: Gannett Medical Clinic, 10 Central Avenue.

Hospital care: Cornell Infirmary, 512 East State Street (fully accredited by the Joint Commission on Accreditation for Hospitals).

The Clinic and Infirmary medical staff, under the supervision of the Clinical Director, consists of University staff attending physicians (Clinic and Infirmary), resident physicians (Infirmary), and consulting physicians and surgeons in the various medical fields from Ithaca and vicinity.

Students may consult a physician at the Clinic whenever need arises. If indicated, hospitalization in the Infirmary for a maximum of fourteen (14) days each term is included. (A per diem charge is made if hospitalization extends beyond fourteen days.) Infirmary service includes medical and emergency surgical care. (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 College and University 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 the Infirmary may, if he so desires, employ a private physician from the visiting staff. A student not in the Infirmary may, in the same manner, 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 the Infirmary in excess of fourteen days a term, and expenses for illness or accidents outside Ithaca both during the academic year 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 trustees of Cornell University. Permission to register for a new semester will not be

*In the Olin Library, a student consults the master catalog of more than 2,200,000 books contained in various units of the Cornell Library system.*



granted unless all health requirements pertaining to the previous semester have been fulfilled.\*

(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. He may (1) present a chest film, made by a private physician, on or before entering Cornell, provided that it was obtained within six months of initial registration and is of acceptable quality; or (2) he may present a chest X-ray report, provided that the radiograph was taken within six months of initial registration, contains the film number and name and address of the X-ray facility, and is signed by a radiologist; or (3) he may have a chest X-ray at Cornell during the orientation period or at some other specified time shortly thereafter, in which case the charge will be included in the registration 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, once more fulfill the chest X-ray requirement.

(C) *MEDICAL EXAMINATION* . . . Each undergraduate student is required to have a medical examination. (This includes special students who must meet undergraduate requirements such as physical education, etc.) An undergraduate 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, a specialized recheck of any questionable medical items will be made, and, if need for re-examination or follow-up is indicated, an appointment to consult a physician at the Clinic will be given. 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* . . . Undergraduate 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 the risk of antitoxin reaction.

Active immunization shall be acquired within nine months prior to initial registration unless the student's home physician is unable to give the toxoid. If

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\* Graduate students are also responsible for fulfilling the *immunization* and *X-ray* requirements described above. In addition, they must, when accepted, submit *health histories* on forms supplied by the University. They must submit new health histories if returning to the University after more than a year's absence.

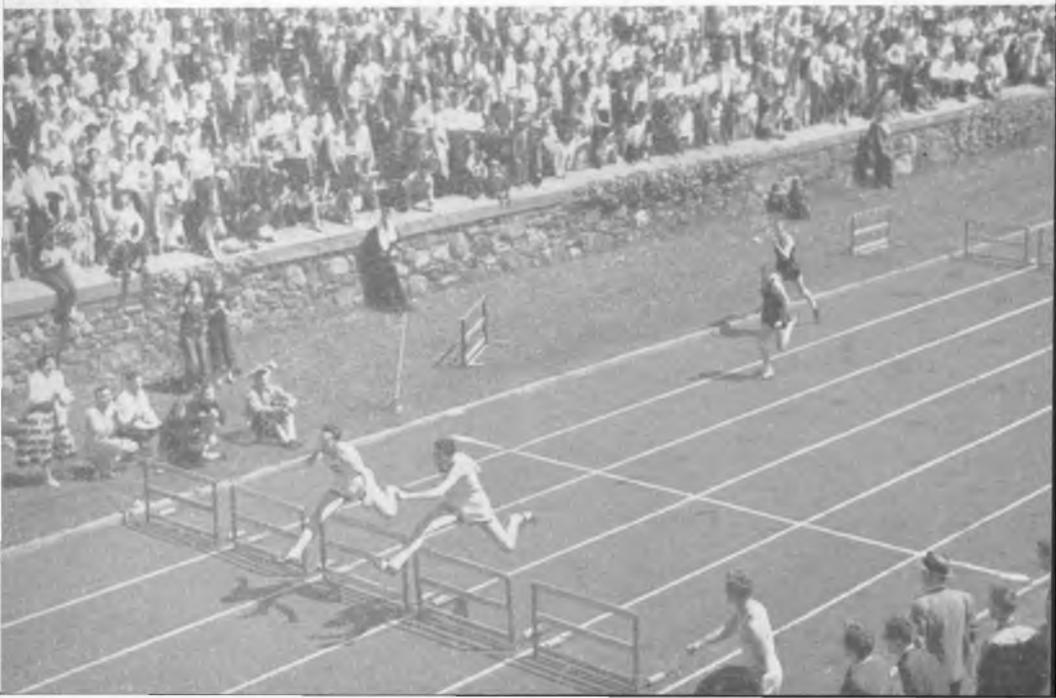
there has been no previous immunization, an original series of two or three doses, depending on the type used, spaced at least one month apart, will be necessary. This will be followed by a booster dose one year later. If there has been previous immunization within ten years, reactivation by a single booster dose is required for entrance to Cornell. If previous immunization was ten or more years ago, two booster doses, spaced one month or more apart, are required. After entrance, five years is considered the maximum limit between booster doses, with a re-activating dose to be given at any time in case of injury.

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 to obtain the required booster dose one year later, and further booster doses as recommended by recognized medical authorities will also be given.

## ACTIVITIES

CORNELL STUDENTS have the opportunity of participating in a varied program of activities outside the regular course of study. This opportunity, if wisely used, will greatly enrich the college experience. Undergraduates at Cornell who are interested in student government, athletics, publications, music, dramatics, forensics, social organizations, or other extracurricular activities will find that the University offers an exceptionally long list from which to choose. Although not all of them

*Outdoor track meets vie in popularity with the indoor Heptagonals held each winter.*



can be enumerated here, a few are noted, so that the prospective student may have a general idea of the sorts of activities likely to arouse his interest. He will have plenty of time to decide on the full extent of his participation when he has enrolled in the University and has become firmly established in his academic work.

*ADMINISTRATIVE ORGANIZATIONS . . .* Cornell University encourages undergraduates to take a large share of responsibility for the regulation of their own affairs. While Student Government at Cornell encompasses all undergraduate extracurricular activities, the administrative agencies include the Executive Board, Women's Student Government Association, Interfraternity Council, Panhellenic Council, Cornell United Religious Work Student Board, Willard Straight Hall Student Officers, Men's Independent Council, Class Councils, and College Councils. The Executive Board of Student Government acts as the coordinating body and as a liaison between the University faculty and administration and the student body. The Executive Board has initial jurisdiction over student activities and conduct and administers student activity funds.

*STUDENT CONDUCT . . .* The standards of conduct expected of a Cornell student are defined by the Student Government code and implemented by student judiciary boards granted initial jurisdiction for student conduct by the Faculty Committee on Student Conduct.

The preamble of the Cornell Student Code states in part:

Cornell University is an academic community devoted to the pursuit of excellence in education. While this education focuses on intellectual excellence, it must include the sum of an individual's experience at the University. Diversity of opportunity and freedom of choice and action are essential to a Cornell education; but excellence must depend upon the responsibility of each person to exercise the privileges of freedom with respect for his own integrity and the best interests of the community.

It is hoped that an individual's experiences at Cornell will enable him to make sound moral judgments as well as to value intellectual excellence. . . . The University expects that at all times and in all circumstances a Cornell student will conduct himself as a responsible member of this community.

*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. Varsity sports, with intercollegiate schedules, include 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, wrestling. Intramural and informal sports in-

clude badminton, bowling, basketball, golf, 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*, the *Cornell Law Quarterly*, *Controversy*, *Dialogue*, *Gentlemen of the Right*, and *Image*.

*MUSIC* . . . The Sage Chapel Choir, the Cornell Chorus, the University Glee Club, the University Orchestra and Bands, and other musical organizations give a wide range of opportunity to students who want to participate in making music on the campus and on tour. A generous concert schedule is provided by the faculty Committee on Music, bringing famous soloists and major orchestras to the Bailey Hall series, and distinguished quartets and other groups to the Chamber Music series. In addition, the Music Department and the Music Committee of Willard Straight Hall join in sponsoring a number of free concerts by visiting artists or by Cornell faculty or students.

*DRAMA AND PUBLIC SPEAKING* . . . Extensive programs in dramatic production and forensics are conducted by Cornell students under the sponsorship and general supervision of the Department of Speech and Drama. The Cornell Dramatic Club presents a wide variety of productions each year in the University Theatre and the Drummond Studio. The Cornell Debate Association maintains a varied schedule of intercollegiate and intramural debates and discussions of public affairs. Membership in these organizations is open to all interested undergraduates. The University Theatre Films 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.

*SOCIAL AND CULTURAL ACTIVITIES* . . . 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 College and University General Fee.

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, leadership, and other fields of endeavor.

*RELIGIOUS AFFAIRS . . .* Although Cornell is a nonsectarian institution, religious affairs assume a large and important place on the campus. Ample provision for fostering the religious life of students is made consistent with Cornell's historic principle of freedom for all religious traditions but control by no single group. Anabel Taylor Hall, Cornell's beautiful center for religious activities, is widely known as the home of Cornell United Religious Work. It is staffed by twelve University chaplains representing the major religious traditions at Cornell and by a director and his associates, all of whom are ready to counsel, teach, and serve any who may call on them. In this organization a student may participate in the campus program of a particular religious group, and he may participate in united religious events and activities which are open to all students. In addition, each Sunday during the academic year distinguished visiting clergymen from throughout the world conduct well attended, nondenominational services in Cornell's Sage Chapel.

*MOTOR VEHICLES (INCLUDING MOTORCYCLES, MOTOR BIKES, AND MOTOR SCOOTERS) . . .* The University does not encourage student use of automobiles but recognizes that in certain cases there may be important reasons why a student needs an automobile. Every student who owns, maintains, or for his or her own benefit operates a motor vehicle in Tompkins County, during the time the University is in session, must register such vehicle with the Safety Division Office, even though such vehicle may be also registered by faculty, officers, or employees. 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 shall register such vehicles within 48 hours after becoming so subject. (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 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 of \$10 is levied if the vehicle is not registered within the specified time.

Suspension of the privilege of operating a motor vehicle may be enforced by requiring the student to deposit his registration plates and certificate and his driver's license with the Safety Division of the University during the period of such suspension. Refusal to comply with such a request may result in the student's suspension from the University.

No student may park his or her motor vehicle on campus from 8 a.m. to 5 p.m. Monday through Friday, or from 8 a.m. to 1 p.m. Saturdays. Restrictions applying to "no parking" zones, dormitory parking areas, and areas listed as limited to holders of F-1 and F-2 permits, are in effect 24 hours a day.

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

*The Cornell Glee Club Sings in Moscow.*



Correspondence regarding motor vehicles should be addressed to the Safety Division, 101 Edmund Ezra Day Hall.

## 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:

1. All undergraduate students must complete four terms of work, three hours a week, in physical education.

2. 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.

3. Exemptions from the requirement may be made by the Committee on Requirements for Graduation when recommended by the Cornell medical staff or by the Department of Physical Education, or because of unusual conditions of age, residence, or outside responsibilities. An exemption recommended by the Department of Physical Education will be given only to students who meet standards of physical condition established by the Department of Physical Education and approved by the Committee on Requirements for Graduation. Students who have been discharged from the armed forces may be exempted.

4. 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.

5. 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 satisfied by four terms of 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:

Dean Thomas W. Mackesey (University Faculty), Chairman; Professor J. O. Mahoney (College of Architecture); Professor Thomas Watkins (College of Agriculture); Donald P. Dietrich (School of Industrial and Labor Relations); Professor H. J. Loberg (College of Engineering); Dean Robert A. Beck (School of Hotel Administration); Professor Peter Olafson (Veterinary College); Assistant Dean G. Ferris Cronkhite (College of Arts and Sciences); Professor B. L. Rideout (Division of Unclassified Students); Professor Esther Stocks (College of Home Economics).

## MILITARY TRAINING

**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. To obtain a commission in one of the armed services, a student must complete a four-year course of study in an ROTC program and must meet certain physical and mental requirements. 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 four years of ROTC are required to qualify for a commission.

Further information is given in the *Announcement of Military Training* (see inside back cover of this publication).

## FINANCIAL AID

**M**OST STUDENTS plan to finance their educations through a combination of savings, help from home, and summer earnings. The estimates of total expenses on page 60 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 as outlined below.

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.

For entering freshmen, scholarships range in value from \$100 to \$2250 per year. Loan help is limited to \$800 per year, and job opportunities vary in value from \$300 to \$600 per year. Virtually all awards may be held for the normal period of years required for an undergraduate degree.

In addition, a 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. Undergraduates may apply to the Financial Aids Office, 147 Edmund Ezra Day Hall.

An application for freshman financial aid may be obtained from the Scholarship Secretary, Office of Admissions, 239 Edmund Ezra Day Hall.

*In Sage Chapel, where Sunday services are conducted by prominent guest clergymen, the choir of more than a hundred voices is made up mostly of students.*



January 1 is the preferred application due date, but in no case will the application be accepted later than February 15. All forms of financial aid (scholarship, loan, and employment) are included on this same financial aid application form. The scholastic aptitude test of the College Entrance Examination Board (senior year, December or January) is required of competitors.

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, 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.

Normally, transfer students are not eligible for financial aid until they have completed at least one term of residence at Cornell. Inquiries concerning aid for transfer students should be addressed to the Director of Financial Aids, 147 Edmund Ezra Day Hall.

## EXPENSES

**T**HE 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 College and University General Fee over and above tuition. This 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 Clinic and Infirmary, and the student union in Willard Straight; it also pays part of the extra costs of laboratory courses and general administration, and supports 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 lists the tuition and fees paid *each term* by students in the Ithaca divisions of the University (there are two terms of sixteen weeks each 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.

*COLLEGES OF ARCHITECTURE, ARTS AND SCIENCES, AND ENGINEERING;  
DIVISION OF UNCLASSIFIED STUDENTS; SCHOOL OF HOTEL ADMINIS-  
TRATION:*

Tuition .....	\$670.00
College and University General Fee * .....	130.00
Total each term .....	\$800.00

*GRADUATE SCHOOL:*

Tuition .....	\$657.00 †
College and University General Fee * .....	143.00
Total each term .....	\$800.00

*GRADUATE SCHOOL OF AEROSPACE ENGINEERING, GRADUATE SCHOOL  
OF BUSINESS AND PUBLIC ADMINISTRATION, LAW SCHOOL:*

Tuition .....	\$670.00
College and University General Fee * .....	130.00
Total each term .....	\$800.00

*GRADUATE SCHOOL OF NUTRITION:*

Tuition .....	\$150.00
College and University General Fee * .....	143.00
Total each term .....	\$293.00

*COLLEGE OF AGRICULTURE:*

Tuition .....	\$200.00 ‡
College and University General Fee * .....	155.00
Total each term .....	\$355.00

*COLLEGE OF HOME ECONOMICS:*

Tuition .....	\$200.00 ‡
College and University General Fee * .....	170.00
Total each term .....	\$370.00

*VETERINARY COLLEGE:*

Tuition .....	\$200.00 †
College and University General Fee * .....	187.50
Total each term .....	\$387.50

*SCHOOL OF INDUSTRIAL AND LABOR RELATIONS:*

Tuition .....	\$200.00 ‡
College and University General Fee * .....	155.00
Total each term .....	\$355.00

*DIVISION OF EXTRAMURAL COURSES:*

Tuition (for a credit hour) .....	\$ 35.00
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\* The General Fee includes an allowance for the student's normal requirements of materials and breakage in laboratory courses and for certain materials in other courses. Costs in excess of this allowance will be charged against the student.

† For graduate students whose major field of concentration is in Agriculture, Home Economics, Industrial and Labor Relations, or Veterinary Medicine, the tuition is \$150.

‡ No tuition is charged persons who are bona fide residents of the State of New York and have been so for at least one year immediately prior to matriculation in one of the state-supported schools or colleges (listed in the preceding footnote).

*OTHER FEES AND DEPOSITS . . .* In addition to the charges listed above, the following 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.

*An application fee of \$10* 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), 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. The fee does not apply toward the first term's tuition or 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 General Fee.

*A registration deposit of \$50* must be paid after the student has received notice of provisional acceptance from the Law School. After matriculation, \$7 of this fee is refunded. The balance 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 course in military 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).

<i>For Credit Hours Taken in School Year:</i>	<i>Endowed College Rate per Student Hour:</i>
1958-1959 .....	\$32.03125
1959-1960, 1960-1961 .....	\$37.50
1961-1962, 1962-1963 .....	\$41.875

*EXCESS HOURS TUITION* . . . Students in the State Colleges of Agriculture and Home Economics who desire to take courses in the endowed colleges beyond the hours allowed free under the rules of those State Colleges and beyond the total hours required for graduation, 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 by the colleges and schools under certain conditions:

Late registration . . . . .	\$5.00
Make-up examination . . . . .	\$2.00
Late filing of study card . . . . .	\$2.00
Late change of program . . . . .	\$3.00
Failure to check out chemistry desk . . . . .	\$5.00

*VETERANS* . . . Veterans attending Cornell under the educational benefits provided by Public Laws 894 (Rehabilitation) and 550 ("Korean G.I. Bill of Rights") must complete the necessary enrollment forms in the Treasurer's Office at the time they register in the University. Inquiries relating to the use of Veterans Administration education benefits at Cornell should be addressed to the nearest Veterans Administration Regional Office.

*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. The University cannot undertake to bill the parent or any other individual for charges.

*TUITION AND GENERAL FEE* . . . A bill for tuition and General Fee (IBM card) is presented to the student 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 and until 12 noon Saturdays.)

The University offers students and parents a plan for paying yearly tuition and General Fee charges in eight equal monthly payments beginning September first and continuing through the following April first. 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, Ithaca, New York.

Financial aid awarded by the University, except loans, will be applied directly to the student's tuition and/or fee charges. The student should claim an exemption on his bill for 50 per cent 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/or fee, the student need not present the bill at the Treasurer's Office. If the University award exceeds the tuition and/or 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 Uni-

*White Hall of mathematics, like Morrill and McGraw Halls close by, is one of the "Old Guard," the oldest classroom buildings on the Cornell campus.*



versity 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/or 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 and/or fees are due. An extension of time for payment of tuition and/or fee equal to the amount of the state scholarship or fellowship only may be arranged by presenting the Notice of Maximum Award at the Treasurer's Office, providing the student has signed a power of attorney authorizing the University to negotiate the state check. No exemption or extension will be permitted on the New York State scholar incentive award.

When an extension of time for payment of part or all of the tuition and/or fee is granted, based on a New York State scholarship or fellowship, it is with the understanding that should the state for any reason fail to prepare a check for the amount of the scholarship or fellowship, 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/or fee bill unless the student personally obtains verification from the Financial Aids Office 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 per cent 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 . . .* 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.*

**ESTIMATING TOTAL EXPENSES**

Although living expenses vary, most students find that, excluding tuition and fees, \$1500 to \$1600 per academic year will cover essential costs. The table of estimates below is provided as a guide to specific expenses. (The figures are for the regular academic year of two terms of sixteen weeks each.)

**MEN'S EXPENSES**

**WOMEN'S EXPENSES**

	CORNELL ESTIMATE	YOUR ESTIMATE		CORNELL ESTIMATE
Tuition .....	0-\$1340	\$ _____	Tuition .....	0-\$1340
Deposit (first term only) *	\$15	_____	Deposit (first term only) *	\$45
Fees .....	\$260-375	_____	Fees .....	\$260-375
Room .....	\$344-430	_____	Room and board * .....	\$1085
Meals .....	\$550-650	_____	Laundry, cleaning .....	\$50-80
Books, supplies .....	\$60-100	_____	Physical ed. equip.* .....	\$18
Clothing .....		_____	Books, supplies .....	\$60-100
Laundry, cleaning .....	\$50-80	_____	Clothing .....	
Transportation (including vacations) ..		_____	Transportation (including vacations) ..	
Personal allowance and incidentals .....	\$150-200	=====	Personal allowance and incidentals .....	\$150-200
		\$ _____		

\* Fixed expense.

\* Fixed expense.

**CHOOSING A COLLEGE OR SCHOOL AT CORNELL**

**F**OR A PERSON about to begin college, 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 3-23 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. A list of Announcements, with the address, is on the inside back cover of this publication.

## 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. He may have had experience in some particular field and may be interested in getting college training leading to a career as a chemist, an architect, or a bacteriologist, for example. 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 various divisions of the University are abbreviated as follows: the Colleges of Architecture, Arts and Sciences, Engineering, and Medicine as *Arch*, *Arts*, *Eng*, and *Med*; the Colleges of Agriculture and Home Economics, and the Veterinary College as *Ag*, *Home Ec*, and *Vet*; the Schools of Education, Industrial and Labor Relations, Law, and Nursing, and the Graduate Schools of Nutrition and of Business and Public Administration as *Educ*, *ILR*, *Law*, *Nurs*, *Nutrit*, and *Bus*. Hotel Administration is abbreviated as *Hotel* and the Graduate School as *Grad*. Each of the above divisions has a separate Announcement. Information concerning military science, air science, and naval science is given in the *Announcement of Military Training (Mil)*.

<i>Subject of Study</i>	<i>College or School</i>	<i>Subject of Study</i>	<i>College or School</i>
ACCOUNTING .....	<i>Bus, Ag, Eng, Hotel</i>	AIR SCIENCE .....	<i>Mil</i>
ADMINISTRATION AND LAW .....	<i>Bus &amp; Law</i>	AMERICAN STUDIES .....	<i>Arts</i>
ADMINISTRATIVE PROCESS.....	<i>Bus</i>	ANIMAL HUSBANDRY .....	<i>Ag</i>
AEROSPACE ENGINEERING .....	<i>Eng</i>	animal breeding	
AGRICULTURE, GENERAL .....	<i>Ag</i>	animal nutrition	
AGRICULTURAL BROADCASTING .....	<i>Ag</i>	dairy husbandry	
AGRICULTURAL ECONOMICS .....	<i>Ag</i>	livestock production	
agricultural policy		meat and meat products	
agricultural geography and land		ANTHROPOLOGY .....	<i>Arts</i>
economics		ARBITRATION .....	<i>ILR</i>
business management	prices	ARCHAEOLOGY .....	<i>Arts</i>
farm finance	marketing	ARCHITECTURAL STRUCTURES .....	<i>Arch</i>
farm management	statistics	ARCHITECTURE .....	<i>Arch</i>
public administration		ART (history of) .....	<i>Arts</i>
AGRICULTURAL ENGINEERING .....	<i>Ag, Eng</i>	ART (practice of fine arts) .....	<i>Arch</i>
professional	farm mechanics	ASIAN STUDIES .....	<i>Arts</i>
applied	farm structures	ASTRONOMY .....	<i>Arts</i>
AGRICULTURAL EXTENSION .....	<i>Ag</i>	BACTERIOLOGY .....	<i>Ag, Med, Vet</i>
AGRICULTURAL AND HOME		BANKING AND FINANCE .....	<i>Ag, Bus</i>
ECONOMICS JOURNALISM .....	<i>Ag</i>	BIBLIOGRAPHY .....	<i>Arts</i>
AGRICULTURAL BUSINESS MANAGEMENT		BIOCHEMISTRY .....	<i>Ag, Nutrit, Med</i>
(grad.) .....	<i>Ag &amp; Bus</i>	BIOLOGY .....	<i>Ag, Arts</i>
AGRICULTURAL MISSIONARY SERVICE .....	<i>Ag</i>	BOTANY .....	<i>Ag, Arts</i>
AGRONOMY .....	<i>Ag</i>	BUSINESS ADMINISTRATION .....	<i>Bus</i>
field crops	soil science	accounting (industrial & public)	
soil conservation		agricultural management	
		business management	finance

<i>Subject of Study</i>	<i>College or School</i>	<i>Subject of Study</i>	<i>College or School</i>
hospital & health administration		electrical communication	
managerial economics	marketing	industrial electronics	
personnel management	production	ENGINEERING (aerospace, agricultural, chemical, civil, electrical, industrial, mechanical, and metallurgical engineering, engineering physics, and engineering mechanics and materials)	Eng
transportation & public utilities		ENGINEERING, AGRICULTURAL	Ag, Eng
BUSINESS LAW	Bus	ENGINEERING, HOTEL	Hotel
BUSINESS MANAGEMENT	Ag, Bus	ENGINEERING PHYSICS	Eng
CHEMICAL ENGINEERING	Eng	nuclear technology	
industrial chemistry		ENGLISH	Arts
process design and economics		ENTOMOLOGY	Ag
reaction kinetics		insect morphology	limnology
metallurgy and metallography		insect physiology	parasitology
nuclear energy		insect taxonomy	beekeeping
biochemical engineering		medical entomology	
polymeric materials		EXTENSION EDUCATION	Ag, Educ
CHEMISTRY	Arts	EXTENSION TEACHING	Ag, Home Ec
CHILD DEVELOPMENT, FAMILY RELATIONSHIPS	Home Ec	FAMILY RELATIONSHIPS AND CHILD DEVELOPMENT	Home Ec
CITY MANAGEMENT	Bus	FEDERAL ADMINISTRATION	Bus
CITY AND REGIONAL PLANNING	Arch	FINANCE, BUSINESS AND PUBLIC	Ag, Bus
CIVIL ENGINEERING	Eng	FINE ARTS, practice of	Arch
geodetic engineering		FLORICULTURE	Ag
hydraulic engineering		greenhouse crops production	
sanitary engineering		landscape service	
structural engineering		nursery crops production	
transportation engineering		ornamental horticulture	
CLASSICS	Arts	plant materials and propagation	
CLOTHING AND TEXTILES	Home Ec	FOOD DISTRIBUTION	Ag, Bus
COLLECTIVE BARGAINING	I.R.	FOOD FACILITIES ENGINEERING	Hotel
COMMUNICATIONS, ELECTRICAL CONSERVATION	Ag	FOOD AND NUTRITION	Home Ec, Hotel, Nutrit
farm forestry	oceanography	FOOD SCIENCE AND TECHNOLOGY	Ag, Home Ec, Nutrit
fishery biology	ornithology	FOREIGN AGRICULTURAL SERVICE	Ag
soil conservation	vertebrate zoology	GENETICS	Ag
wildlife management		GEOGRAPHY	Arts
DAIRY HUSBANDRY	Ag	GEOLOGY	Arts
DAIRY SCIENCE	Ag	GOVERNMENT	Arts
fluid milk handling and processing		GRADUATE STUDIES	Grad
manufacture of milk products		GREENHOUSE CROPS PRODUCTION	Ag
DESIGN, ARCHITECTURAL	Arch	GUIDANCE	Educ
DESIGN AND HOUSING	Home Ec	HISTORY	Arts
DRAMA, SPEECH AND	Arts	HISTORY OF ARCHITECTURE	Arch
DRAWING	Ag, Arch, Home Ec	HISTORY OF ART	Arts
DRAWING, MECHANICAL	Ag, Eng	HOME ECONOMICS	Home Ec
ECONOMICS	Ag, Arts, Bus, Home Ec	child development and family relationships	
ECONOMICS AND POLICY	Ag	food and nutrition	
EDUCATION	Educ, Ag, Home Ec	home economics education	
agricultural education		household economics and management	
development of human resources		housing and design	
educational administration and supervision		institution management	
educational psychology and measurement		textiles and clothing	
elementary education		HOSPITAL & HEALTH ADMINISTRATION	Bus
extension and adult education		HOTEL ADMINISTRATION	Hotel
guidance and personnel administration		accounting	engineering
history and theory of education		administration	food science
home economics education		economics and	housekeeping
nature, science, and conservation education		finance	
secondary education and curriculum			
ELECTRICAL ENGINEERING	Eng		
electric power and design			

<i>Subject of Study</i>	<i>College or School</i>
hotel and restaurant equipment	
food production	
restaurant administration	
HOUSEHOLD ECONOMICS AND MANAGEMENT	<i>Home Ec</i>
HOUSING	<i>Arch, Home Ec</i>
INDUSTRIAL COOPERATIVE PROGRAM *	<i>Eng</i>
INDUSTRIAL ENGINEERING AND MANAGEMENT	<i>Eng</i>
INDUSTRIAL AND LABOR RELATIONS	<i>ILR</i>
collective bargaining	labor economics
development of human resources	
economic and social statistics	
human relations in industry	
international and comparative labor relations	
labor union history and administration	
personnel administration	
social security and protective labor legislation	
INSTITUTION MANAGEMENT	<i>Home Ec, Hotel</i>
INTERNATIONAL AND FOREIGN OPERATIONS	<i>Bus</i>
INTERNATIONAL STUDIES	<i>Ag, Arts, Bus, ILR, Law</i>
JOURNALISM †	<i>Ag, ILR</i>
JOURNALISM, nonprofessional preparation for †	<i>Arts</i>
LABOR RELATIONS (See INDUSTRIAL AND LABOR RELATIONS)	
LANDSCAPE ARCHITECTURE	<i>Arch</i>
LANGUAGES, MODERN AND ANCIENT	<i>Arts</i>
LAW	<i>Law</i>
jurisprudence	Procedure
private law	public law
LITERATURE	<i>Arts</i>
LIVESTOCK PRODUCTION	<i>Ag</i>
MANAGERIAL ECONOMICS	<i>Bus</i>
MARKETING	<i>Bus, Ag</i>
MATHEMATICS	<i>Arts</i>
MECHANICAL ENGINEERING	<i>Eng</i>
automotive engineering	
engineering materials	
experimental engineering	
heat-power engineering	
heating, ventilating, and air conditioning	
industrial engineering	
industrial statistics	
internal combustion engines	
materials processing	
mechanical design	
mechanics and strength of materials	
nuclear engineering	
operations research	
thermal engineering	

<i>Subject of Study</i>	<i>College or School</i>
MECHANICS AND MATERIALS	<i>Eng</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	
surgery and surgical specialties	
radiology	
METALLURGICAL ENGINEERING	<i>Eng</i>
metallography	process metallurgy
physical metallurgy	
METEOROLOGY	<i>Ag</i>
MILITARY SCIENCE	<i>Mil</i>
MUSIC	<i>Arts</i>
NAVAL SCIENCE	<i>Mil</i>
NUCLEAR TECHNOLOGY	<i>Eng</i>
NURSERY CROPS PRODUCTION	<i>Ag</i>
NURSING (see also PRENURSING)	<i>Nurs</i>
NUTRITION (grad. studies)	<i>Nutrit</i>
NUTRITION, ANIMAL	<i>Ag</i>
NUTRITION, FOOD AND	<i>Home Ec, Hotel, Nutrit</i>
ORNITHOLOGY	<i>Ag</i>
PAINTING AND DRAWING	<i>Ag, Arch, Home Ec</i>
PERSONNEL MANAGEMENT	<i>Bus, Hotel, ILR</i>
PHILOSOPHY	<i>Arts</i>
PHYSICAL EDUCATION ‡	
PHYSICS	<i>Arts, Eng</i>
PHYSIOLOGY	<i>Ag, Arts, Vet</i>
PLANT BREEDING	<i>Ag</i>
genetics	
PLANT PATHOLOGY	<i>Ag</i>
mycology	
POMOLOGY	<i>Ag</i>
POULTRY HUSBANDRY	<i>Ag</i>
breeding	management
nutrition	
PREDENTAL TRAINING	<i>Arts</i>
PRELAW TRAINING	<i>Arts</i>
PREMEDICAL TRAINING	<i>Arts</i>
PRENURSING TRAINING	<i>Arts, Home Ec, Ag</i>
PREVETERINARY TRAINING	<i>Ag, Arts</i>
PRODUCTION	<i>Bus</i>
PSYCHOLOGY	<i>Arts</i>
PUBLIC ADMINISTRATION	<i>Ag</i>
PUBLIC ADMINISTRATION	<i>Bus</i>
agricultural policy & management	
city management	finance
federal administration	

\* A plan for selected upperclassmen to alternate semesters of study with periods of work in industry.

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

‡ 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.

<i>Subject of Study</i>	<i>College or School</i>	<i>Subject of Study</i>	<i>College or School</i>
general public administration		SOCIAL SECURITY	ILR
hospital & health administration		SOCIAL SERVICE	Ag, Home Ec
international & foreign operations		SOCIOLOGY	Arts
personnel management		SPACE RESEARCH	Arts, Eng
transportation & public utilities		SPEECH AND DRAMA	Arts
PUBLICATION	Home Ec	STATISTICS	Ag, Bus, ILR
PUBLIC MANAGEMENT	Bus	STUDENT PERSONNEL ADMINISTRATION	Educ
PUBLIC RELATIONS	Ag, Hotel, ILR	TEACHING	(See EDUCATION)
PUBLIC SPEAKING	Arts, Ag	TELEVISION-RADIO	Ag, Eng
QUANTITATIVE ANALYSIS OF		TEXTILES AND CLOTHING	Home Ec
ECONOMIC DATA	Bus	TRANSPORTATION	Bus, Eng
RADIATION BIOLOGY	Vet	VEGETABLE CROPS	Ag
RADIO ASTRONOMY	Arts, Eng	VETERINARY MEDICINE	Vet
RADIOPHYSICS	Arts, Eng	animal physiology	anatomy
RADIO-TELEVISION	Ag, Eng	animal pathology	animal virology
REGIONAL PLANNING	Arch	pathogenic bacteriology	medicine
RESTAURANT ADMINISTRATION	Hotel	pharmacology	physical biology
ROMANCE LANGUAGES	Arts	parasitology	surgery
RURAL EDUCATION	Ag	obstetrics and diseases of the reproductive organs	
RURAL SOCIOLOGY	Ag	WORKMEN'S COMPENSATION	ILR
SCULPTURE	Arch	ZOOLOGY	Arts, Ag
SEED TECHNOLOGY	Ag		

## INDEX

(See also *Subjects of Study*, 61)

- Achievement tests, 27-34, 37
- Activities, extracurricular, 25, 46
- Admission applications, 24-27; date due, 34; fee, 56
- Admission requirements, 3, 24-39
- Advanced placement of freshmen, 36
- Agriculture, College of, 6, 27, 61
- Agricultural Engineering, 6, 7, 28, 61
- Air Force, 52, 61
- Alumni, children of, 26
- Announcements, *Inside back cover*
- Applications: admissions, 24-27, 34, 56; employment, 54; financial aid, 54; housing, 41; loan, 54; scholarships, 27, 53-54
- Architecture, College of, 12, 28, 61
- Army, 52
- Arts & Sciences, College of, 4, 32, 61
- Athletics, 47
- Bills, payment of, 57
- Board, payment of, 59
- Business & Public Administration, 19, 61
- Calendar, Academic, *Inside front cover*
- Campus lands, 2
- Careers, 40
- Catalogs, list of, *Inside back cover*
- College Board tests, 27-34, 37
- Colleges & schools, 3-22; choice of, 60; tuition & fees, 54-60
- Counseling services, 39
- Courses (subjects of study), 61
- Deposits & fees, 43, 55-60
- Dormitories, 41, 59
- Drama, 48, 61
- Education, School of, 15, 61
- Employment: 40-41, 52
- Engineering, College of, 7, 32, 61
- Enrollment, 2
- Entrance subjects & units, 35, 36
- Expenses, 54-60
- Extracurricular activities, 25, 46-49
- Extramural courses, 22, 55; see also *Subjects of Study*
- Faculty, 2
- Fees, 54-60
- Financial aid, 52-54
- Fine arts, 12, 28, 61
- Foreign students, 2, 25, 41
- Graduate School, 16, 61
- Graduate divisions, 16-20
- Health requirements & services, 42-46
- History of Cornell, 1
- Home Economics, College of, 9, 33, 61
- Hotel Administration, School of, 11, 33, 61
- Housing, student, 41, 59
- Industrial & Labor Relations, 14, 33, 61
- Key to map, 29
- Law School, 18, 61
- Libraries, 2
- Loans, 52-54, 58-59
- Map of campus, 30-31
- Medical care, 43
- Medical College, 20, 61
- Military training, 52, 61
- Motor vehicles, 49-51
- Music, 48, 61
- Navy, 52, 61
- New York Hospital, 20, 21

## INDEX (continued)

- Nursing, School of, 21, 61  
Nutrition, Graduate School of, 17, 61  
Organizations for students, 46-49  
Orientation, new students, 39  
Payments: dates, methods, 54-59  
Physical education, 51, 63 (note)  
Placement services, 40  
Publications, student, 48  
Public speaking, 48, 61  
Refunds, 59  
Regents examinations, 36  
Religious affairs, 47  
Residential Halls, 41-42  
Room charges, 59-60  
Scholarships, 52-54, 58-59  
Secondary school record, 24-25, 27-36  
Size of University, 2  
Social activities, 48  
Special students, 38  
Student conduct, 47  
Student government, 47  
Student union, 48  
Subjects of study, 61  
Summer Session, 22-23  
Teaching divisions, 3-23  
Tests, 27-38  
Transfer students, 38  
Tuition, 54-60  
Unclassified students, 22  
Veterans, 57  
Veterinary College, 15, 34, 61  
Vocational guidance, 40-41
- 

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