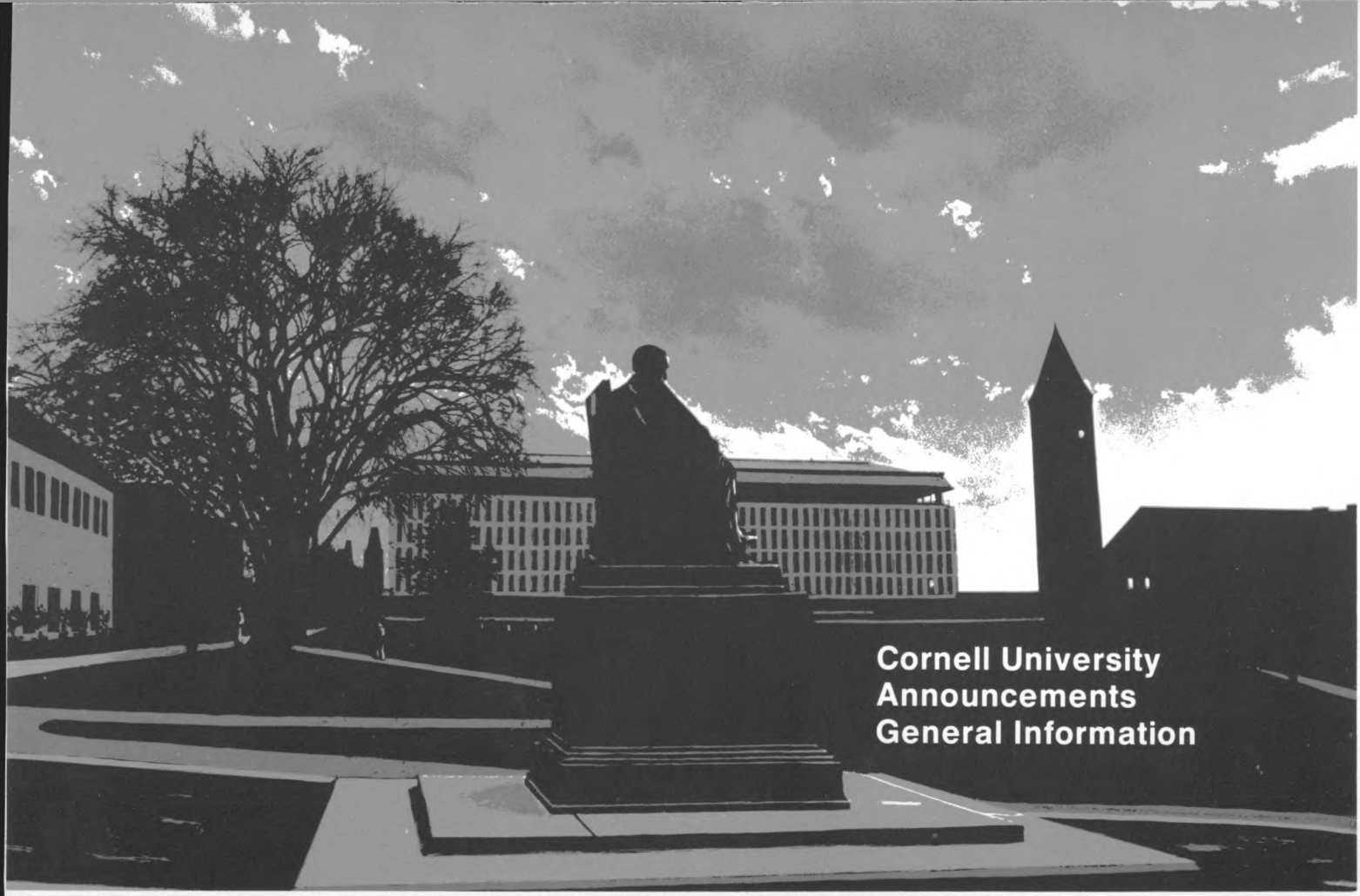

# Cornell University Announcements General Information

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## 1977-78

**Cornell University Announcements**

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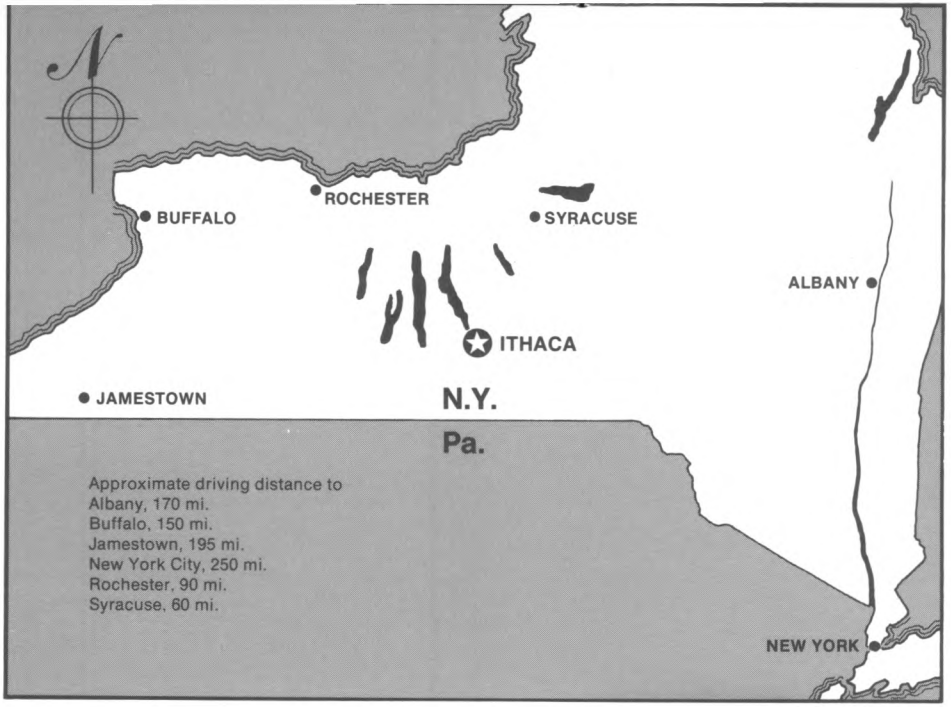
# Cornell Academic Calendar

| | 1977-78 | 1978-79 |
|---|---|---|
| Registration, new students | Thursday, September 1 | Thursday, August 31 |
| Registration, continuing and rejoining students | Friday, September 2 | Friday, September 1 |
| Fall term instruction begins | Monday, September 5 | Monday, September 4 |
| Thanksgiving recess: | | |
| Instruction suspended, 1:10 p.m. | Wednesday, November 23 | Wednesday, November 22 |
| Instruction resumed | Monday, November 28 | Monday, November 27 |
| Fall term instruction ends, 1:10 p.m. | Saturday, December 10 | Saturday, December 9 |
| Final examinations begin | Thursday, December 15 | Friday, December 15 |
| Final examinations end | Friday, December 23 | Saturday, December 23 |
| Registration, new and rejoining students | Thursday, January 19 | Thursday, January 18 |
| Registration, continuing students | Friday, January 20 | Friday, January 19 |
| Spring term instruction begins | Monday, January 23 | Monday, January 22 |
| Spring recess: | | |
| Instruction suspended, 1:10 p.m. | Saturday, March 18 | Saturday, March 17 |
| Instruction resumed | Monday, March 27 | Monday, March 26 |
| Spring term instruction ends, 1:10 p.m. | Saturday, May 6 | Saturday, May 5 |
| Final examinations begin | Monday, May 15 | Monday, May 14 |
| Final examinations end | Tuesday, May 23 | Tuesday, May 22 |
| Commencement Day | Monday, May 29 | Monday, May 28 |

The dates shown in the Academic Calendar are subject to change at any time by official action of Cornell University.

In this calendar, the University has scheduled classes on religious holidays. It is the intent of the University that students missing classes due to the observance of religious holidays be given ample opportunity to make up work.




# Summer Session Calendar

## 1978

| | |
|---|---|
| Three-Week Session | June 5–June 27 |
| Eight-Week Session | June 19–August 11 |
| Six-Week Session | June 28–August 11 |

# General Information

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# Why Cornell?

Deciding where to go to college is not easy. One must weigh so many things about each institution: its curriculum, faculty, special programs, requirements, cost, size, location, reputation. In this critical choice why should Cornell be especially attractive? What are the special nature and resources that should draw you here to this university and to Ithaca?

## Diverse Curriculum and Programs

To begin, Cornell offers unusual variety and diversity. As an independent Ivy League institution and the land-grant university of the state of New York, Cornell has fourteen colleges and schools, of which four are state supported and ten privately endowed. Hundreds of subjects and courses of study are available covering a range that is rare on a single campus.

From its beginning in 1865, Cornell has been characterized as an institution unafraid to depart from conventional ideas. It was the first major American university to be both nonsectarian and coeducational and the first to declare itself for the elective idea and thus to offer its students a real choice of studies. It was never bound by the traditional curriculum and has adhered to founder Ezra Cornell's intention to "found an institution where any person can find instruction in any study."

Today, along with the pursuit of excellence in traditional subjects at Cornell, there is an acute awareness of current problems. Students and faculty in many segments of the University are engaged in exploring such problems, and their efforts take shape in new fields, programs, and centers. There are, for example, a Peace Studies Program, a Program on Policies for Science and Technology in Developing Nations, a Rural Development Committee, and an International Population Program. The University has a variety of programs in international agriculture, nutrition, and economics and an interdisciplinary Program on Science, Technology, and Society. The Africana Studies and Research Center is concerned with such topics as Pan-Africanism and contemporary black ideologies, and people and movements in the black urban ghetto.

From the abundance of offerings available, the student enrolled at Cornell may choose a specialty and then supplement it with courses from other schools. For example, a student of anthropology in the College of Arts and Sciences may supplement the normal arts program by taking courses in the Division of Biological Sciences, the Division of Nutritional Sciences, and the College of Veterinary Medicine. The same is true of a premedical student, who, interested in mastering the intricacies of equipment he or she must use, may take courses in the College of Engineering.

Cornell is not a university of overwhelming size. The total enrollment on the Ithaca campus is 16,500, with 11,500 undergraduate students, 5,000 graduate students, and 500 extramural students. Since a student is enrolled in one school or component unit, the diverse offerings of the University are made available while a student is a member of a smaller and more intimate group. The largest unit at Cornell is the College of Arts and Sciences, with 3,600 undergraduates enrolled; the smallest is the College of Architecture, Art, and Planning, which currently enrolls 500 undergraduates.

## Outstanding Faculty

The outstanding faculty of Cornell numbers over 1,700, including many who are recognized internationally as leaders in their fields. As Cornell is a major university, nearly all faculty are actively involved in research and scholarship extending the boundaries of human knowledge across the full range of academic endeavor. Active scholars bring special enthusiasm and perspective to their

students and classrooms. Since the University has always assigned a high priority to the quality of its undergraduate programs, no distinction is made between the graduate and undergraduate faculty and it is not uncommon to find department chairmen teaching introductory courses or prominent scholars offering courses for general enrollment. Here there is no need to choose between the gifted scholar and dedicated teacher—most Cornell faculty provide a balance of both. The faculty routinely act as advisers and keep regular office hours, ensuring their accessibility to serious and interested students. The vitality and diversity of the Cornell faculty and programs also attract a constant succession of visiting lecturers and professors from other institutions.

## Fine Facilities

As a fine university, Cornell provides a variety of excellent academic and recreational facilities. A partial listing on the academic side includes one of the ten largest academic library systems in the country, with holdings of more than four million volumes; excellent scientific laboratories and equipment; a spectacular new art museum. There are three student unions equipped for all kinds of social, cultural, recreational, and educational activities. Extensive intercollegiate and intramural athletic participation is provided for men and women in the vast athletic facilities, including an indoor rink for ice hockey and skating, two competition-sized indoor pools, a championship golf course, intramural and varsity playing fields, squash courts, crew tanks, gymnasiums, and a riding hall for polo. These facilities for athletics, plus the many concerts, plays, lectures, movies, and other cultural events provide a wealth of activities for all students on campus.

## A Unique Setting

At Cornell the physical aspects of the campus add real joy to the university experience. Situated on hills overlooking Cayuga Lake, the campus covers 740 acres and is considered one of the most beautiful in the United States. The original site has not lost its splendor in a magnificent setting cut by two deep gorges and with expansive views of the surrounding countryside. There are now more than ninety major buildings on campus containing a kaleidoscope of architectural styles, with distinguished older buildings placed comfortably side by side with newer, often impressive, examples of the modern. Within a short drive are three unusually scenic state parks with facilities for hiking, boating, swimming, and camping; several ski areas; and an extensive system of Finger Lakes Trails for hiking. Ithaca itself is a small city of character and charm, located in the heart of the Finger Lakes Region. You will find here the almost unique combination of a cosmopolitan atmosphere in a rural setting.

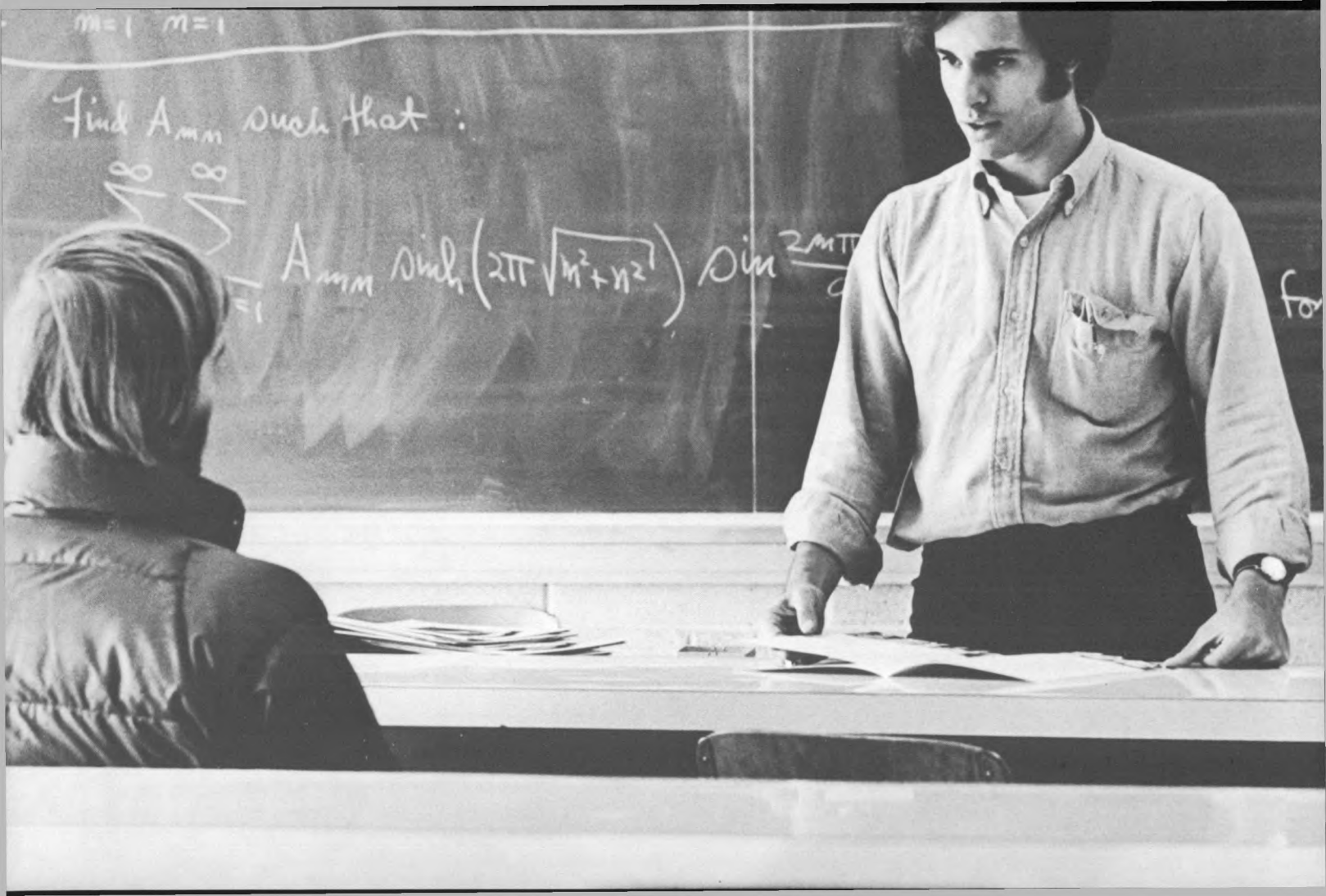
## A Special Spirit

Cornell offers all these tangibles. It also provides some equally important intangibles. This is an exciting and vital place; Cornell is not a complacent institution. It began as a renegade, combining liberal and practical studies and expanding the traditional curriculum, and it has had a continuing history of academic innovation. As times and needs change, Cornell can and does adapt. Recent examples of such changes include the establishment of many new programs of study dictated by contemporary concerns, such as the Women's Studies Program and the Program in International Nutrition, the institution of the Freshman Seminar Program, changes in the grading procedures, and increased involvement of students in the policy- and decision-making processes through various University committees. The real tradition is that of continuing dedication to self-improvement and to excellence in all that is undertaken.

Cornell encourages the spirit and practice of academic freedom. The University's educational aims and programs are based largely on student choice, a philosophy which has real meaning because of the existing variety and flexibility. The undergraduate programs permit a significant amount of sampling and exploring as well as encouraging the selection of an area of interest and its pursuit in depth. This system does, of course, put great responsibility upon the students themselves—to become acquainted with available offerings and facilities and to choose wisely according to needs and interests.

The effort is worthwhile as the University is responsive to student initiative. An example of a formal method of response to students' expressed interests is the mechanism that has been established to incorporate student-initiated courses into the Arts and Sciences College curriculum. And every day there are hundreds of spontaneous, less formal responses to student probes and suggestions from faculty, counselors, and administrators.

Perhaps the single greatest advantage of education at Cornell is the variety of talented individuals—faculty, scholars, and students—assembled in one place. They come from every state in the nation and scores of foreign countries, from public and private schools, from families rich and poor. Statistics cannot possibly give an accurate picture of the wealth of individual personalities and abilities present. Such a cosmopolitan mixture leads to a myriad of informal, unplanned, and unpredictable associations and influences. There are few places indeed where one could spend undergraduate years surrounded by a more diverse and interesting group, on a physically more attractive campus, with such a multitude of resources, and in an atmosphere that allows so much freedom to explore, to test, to create, to mature.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Amn sinh(2π√(m²+n²)) sin 2mπ
for

# The Colleges and Schools

## Undergraduate

Undergraduate instruction is offered in the following schools and colleges.

| | *Approximate Undergraduate Enrollment* |
|---|---|
| *State-supported* | |
| New York State College of Agriculture and Life Sciences | 2,900 |
| New York State College of Human Ecology | 1,100 |
| New York State School of Industrial and Labor Relations | 600 |
| *Privately-supported* | |
| College of Architecture, Art, and Planning | 500 |
| College of Arts and Sciences | 3,600 |
| College of Engineering | 2,200 |
| School of Hotel Administration | 600 |

## Graduate

The following schools and colleges require a baccalaureate degree, except in a few special cases.

| | *Approximate Enrollment* |
|---|---|
| Graduate School of Business and Public Administration | 450 |
| Graduate School | 3,600 |
| Law School | 490 |
| New York State College of Veterinary Medicine | 270 |
| Medical College | 420 |
| Graduate School of Medical Sciences | 120 |
| Cornell University–New York Hospital School of Nursing | 220 |

These last three—the Medical College, the Graduate School of Medical Sciences, and the Cornell University–New York Hospital School of Nursing—are located in New York City.

Students may also register in the Division of Summer Session and Extramural Courses and the Division of Unclassified Students.

Because of the size and diversity of the University, this *General Information Announcement* is not intended to provide detailed information. Rather, it is intended to give the prospective student a broad picture of the University and the general nature of its major divisions. Each of Cornell's academic units publishes a detailed *Announcement* about its programs. These *Announcements* may be ordered by using the postcard contained on the back cover of this publication or writing to Cornell University Announcements, Research Park, Ithaca, New York 14853.

# New York State College of Agriculture and Life Sciences

Confronted by a world whose natural resources are disappearing as its hungry population expands, where each decision made is interwoven with complex ecological, social, and economic implications, the importance of the College of Agriculture and Life Sciences is clear. To provide an adequate food supply for the people of the world while at the same time conserving and improving the natural and human environment; to increase peoples' understanding of the natural world through rigorous studies in the agricultural and biological sciences is the College's exciting mission.

Few colleges in the world are so well equipped to participate in that challenging endeavor. The College of Agriculture and Life Sciences has 14,200 acres of land for research and instruction, the second-largest agricultural library in the world, 18 major buildings, 46 greenhouses, its own forest, the experiment stations in Ithaca and Geneva, and numerous research farms and facilities across the state. For horticulturists, for example, a 1,500-acre arboretum lies a stone's throw away; not much farther off, the College has a 90-acre orchard for its students of pomology.

The College of Agriculture and Life Sciences' distinguished faculty has 460 members. More than 40 percent of this number have taught or conducted research in foreign countries—much of it devoted to the agricultural problems of the developing nations.

In the past year, the College's scientists have worked on such projects as developing self-renewing farms, where even cow manure is transformed into protein-rich foodstuff for livestock, odorless fertilizers, and methane gas that can be used to generate power or heat; studies of the delayed, but no less destructive, effects of pollution, such as acid rain; and raising peregrine falcons and bald eagles in captivity in order to restock the East where they have become extinct. Our students stand in the midst of such vital activities.

As a part of the State University of New York, the College is aligned with 72 other institutions in the state university system and has a special mission to reach and serve the people of New York State. As an integral part of Cornell University, it offers its students the enormous variety of cultural and intellectual activities of a large and vigorous university. But because the College itself has only 2,900 undergraduates and 1,000 graduate students, it still can maintain the close, friendly environment of a small college.

## Undergraduate Programs

In all, fifty-seven undergraduate specializations are offered in the College's nine broad program areas:

- agricultural and biological engineering
- animal science
- applied economics and business management
- behavioral and social sciences
- biological sciences
- environmental studies
- food science
- plant sciences
- general and special programs

Although entering students are asked to select one of the nine areas for concentration, the options for study at Cornell are unusually varied. For example, the Division of Biological Sciences alone offers more than 125 courses. Students also take classes in the other colleges of the University; undergraduates usually take about 50 percent of their courses in other divisions of the University.

By combining different areas of concentration within the College, or augmenting that study with courses in other University divisions, students, in conjunction with a faculty adviser, can develop the traditional "major" into a unique program of study. To help them develop a program of study closely suited to their own personal interests and career objectives, new students are assigned a faculty adviser in their selected program area.

Formal interdisciplinary opportunities have been incorporated into several specialized intercollege programs. For example, a student can major in agricultural engineering by registering in the College of Agriculture and Life Sciences for three years and with the College of Engineering in the fourth year. Or students may double register with the College and the Graduate School of Business and Public Administration, and then, after only five years, receive either a Master of Business Administration or Master of Public Administration degree. The College also offers a special program in food industry management in cooperation with the Graduate School of Business and Public Administration; and graduates completing preveterinary work in the College may qualify for an accelerated course of study toward a Doctor of Veterinary Medicine degree.

For undergraduates interested in a different educational and cultural perspective and possible avenues for career development the College offers several study-abroad programs in coordination with universities in England, Ireland, Mexico, and Sweden.

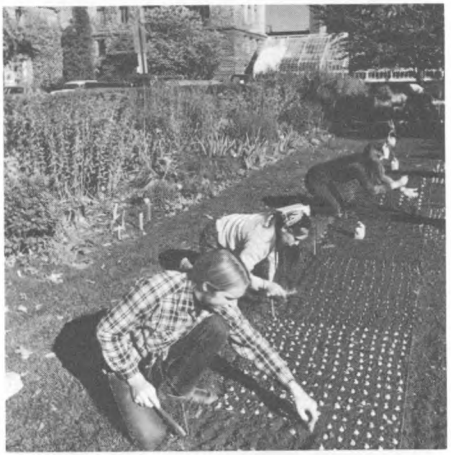
Diverse opportunities for careers in business, industry, government, education, research, and commercial agriculture, or for graduate or professional study, exist for graduates of the College. Advisers, professional and student counselors, and career placement services, all seek to help students as they make important choices for the future.

## Graduate Programs

The faculty and departments of the College offer advanced instruction in several disciplines leading to the degrees of Master of Arts, Master of Arts in Teaching, Master of Professional Studies (Agriculture), Master of Professional Studies (Communication Arts), Master of Science, Doctor of Education, and Doctor of Philosophy. Detailed information is available in the *Announcement of the Graduate School*, which may be obtained by using the postcard at the back of this book or by writing Cornell University Announcements, Research Park, Ithaca, New York 14853.

## For More Information

Additional information about the College may be found in *Agriculture and Life Sciences at Cornell*, obtained by using the postcard at the back of this book; writing to Cornell University Announcements, Research Park, Ithaca, New York 14853; or writing to Director of Admissions, College of Agriculture and Life Sciences, Cornell University, 195 Roberts Hall, Ithaca, New York 14853. Telephone 607/256-2036.

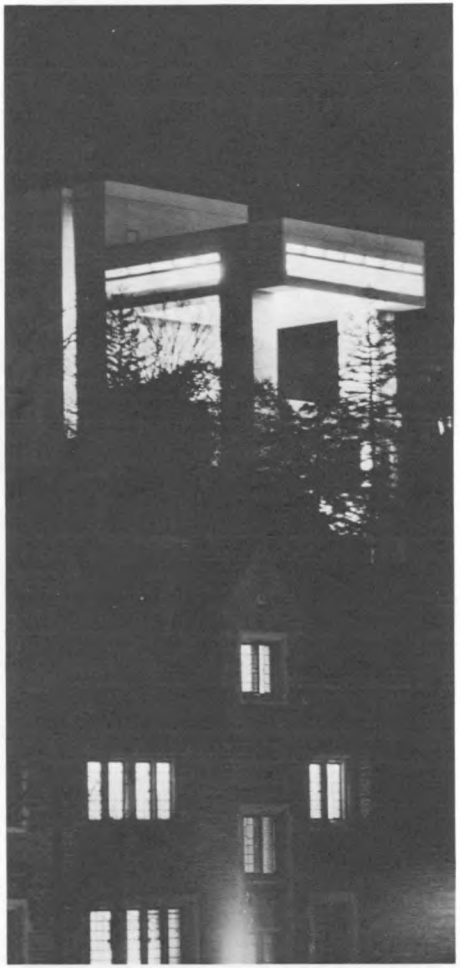


# College of Architecture, Art, and Planning

## Architecture

Architects are continually assuming a wider range of responsibilities toward problems of the built environment and improving the habitat of people. The concerns of regional ecology, the application of the social sciences, the evolution of design philosophies and methodologies, and the emergence of new roles for the designer all present special challenges to architecture study and practice.

The College is convinced that breadth is an essential element of undergraduate education and the professional concentration of courses within the College is balanced by the wider view gained from study in other divisions, to establish a broad understanding of human values and social problems as well as the theoretical and technical base of professional competence. The professional courses themselves explore a wide range of architectural issues and scales of involvement and provide the opportunity to develop a particular emphasis that may become the basis for specialized studies at the graduate level.



The course of study leading to the degree Bachelor of Architecture normally requires five years. After a two-year introduction to the field, students may depart from the professional program and develop a concentration in some area of the broader discipline. Such nonprofessional programs leading to the Bachelor of Fine Arts degree after four years of study are offered in history of architecture and urban development and design communications; and leading to the Bachelor of Science degree, also after four years of study, in city and regional planning.

Through special planning of their fifth-year program, students in the professional architecture program may be able to complete the requirements for the first year of one of the two-year graduate programs offered in the College.

## Art

The undergraduate curriculum in art, leading to the Bachelor of Fine Arts degree, provides an opportunity for students to combine a general liberal education with the studio concentration required for a professional degree. During the first year, all students follow a common course of study designed to provide a broad introduction to the arts and provide a basis for the intensive studio experience in painting, sculpture, photography, and graphic arts of the last three years. Studio courses oc-

cupy approximately one-half the students' time during the four years; the remainder is devoted to a diversified program of academic subjects with a generous provision for electives. All members of the faculty of the Department of Art are active practicing artists whose work represents a broad range of expression.

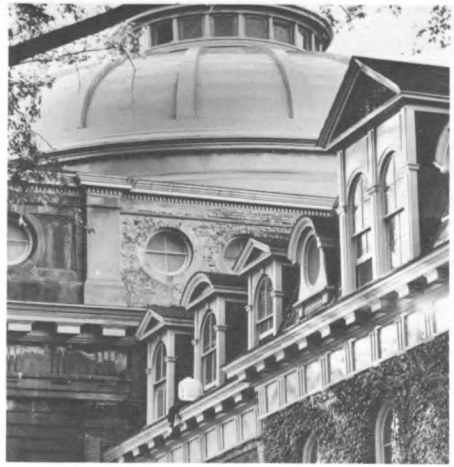
Further information about undergraduate study in architecture, art, and planning is contained in the *Announcement* of the College, obtained by using the postcard at the back of this book or by writing Cornell University Announcements, Research Park, Ithaca, New York 14853.

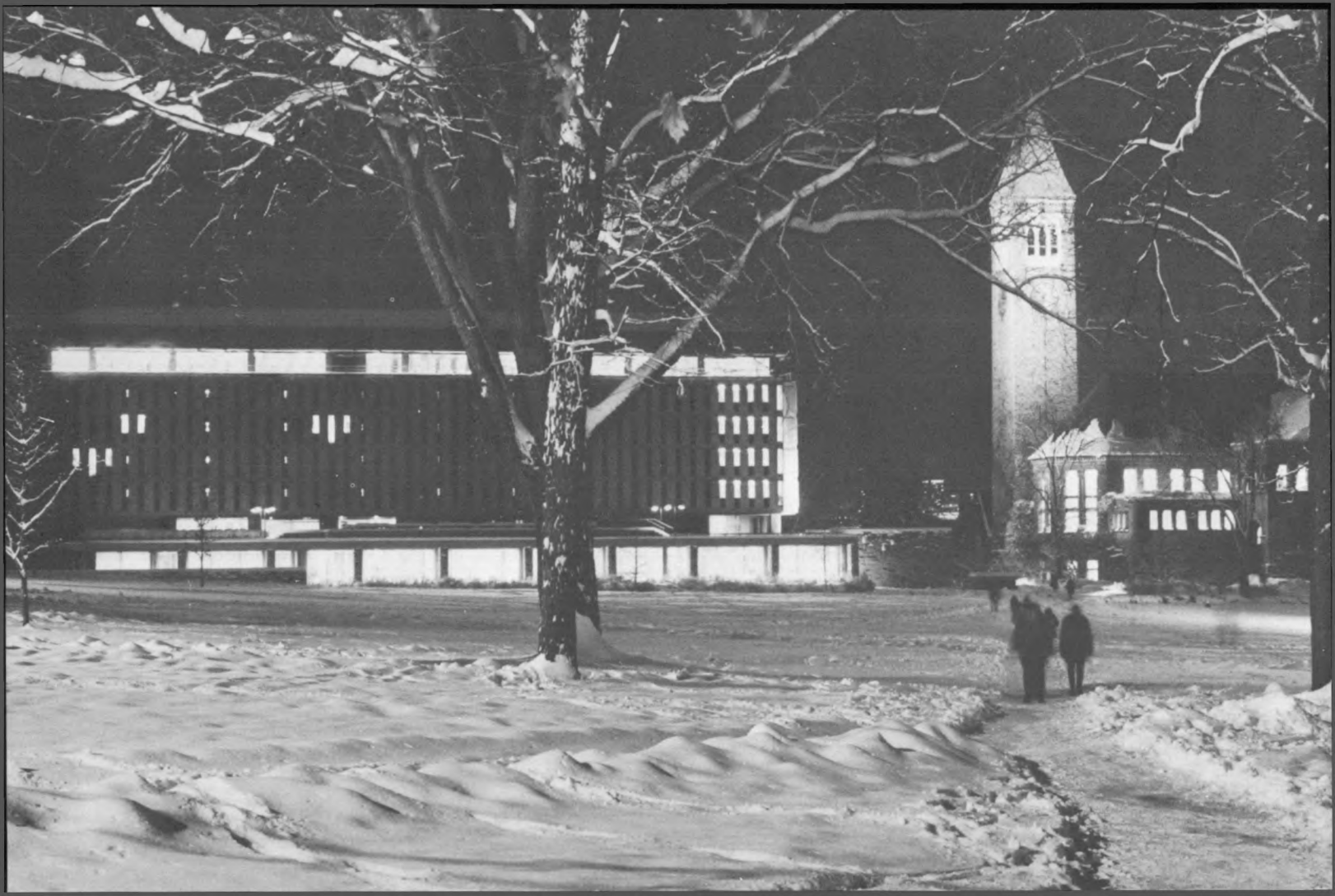
## Graduate Programs

The College of Architecture, Art, and Planning offers graduate-level programs in:

- art
- architectural design and urban and regional design
- architectural sciences
- history of architecture and urban development
- preservation planning
- city and regional planning and related programs
- landscape architecture

For further information about these graduate programs consult the *Announcement of the Graduate School*, which may be obtained by using the postcard at the back of this book or writing to Cornell University Announcements, Research Park, Ithaca, New York 14853; or contact the Office of the Dean, College of Architecture, Art, and Planning, Cornell University, Sibley Hall, Ithaca, New York 14853.





# College of Arts and Sciences

The College of Arts and Sciences is central to the University. On its faculty are some of the world's most distinguished scientists, scholars, and creative artists. It is the home of those areas of study we refer to as the humanities, whose concern is humankind—its languages, literature, arts, philosophy, and history. It is also the home of the basic biological, physical, and social sciences. Together, these comprise the liberal arts.

Liberal studies emphasize the ability to learn, analyze novel situations, and reason toward solutions. By their nature, the liberal arts emphasize reasoning in different modes; clear and graceful written and oral expression; organizational ability; tolerance and flexibility; creativity; and sensitivity to ethical and aesthetic values.

Liberal studies, because of their substance and methods, are in many ways the best preprofessional and preoccupational training. They are also the best preparation for living as informed, historically conscious, thinking, and active parents, citizens, and consumers in a changing, challenging world. The study of liberal arts is an education for life—a means to learn and reason by one's self in all situations—not just as an education for making a living.

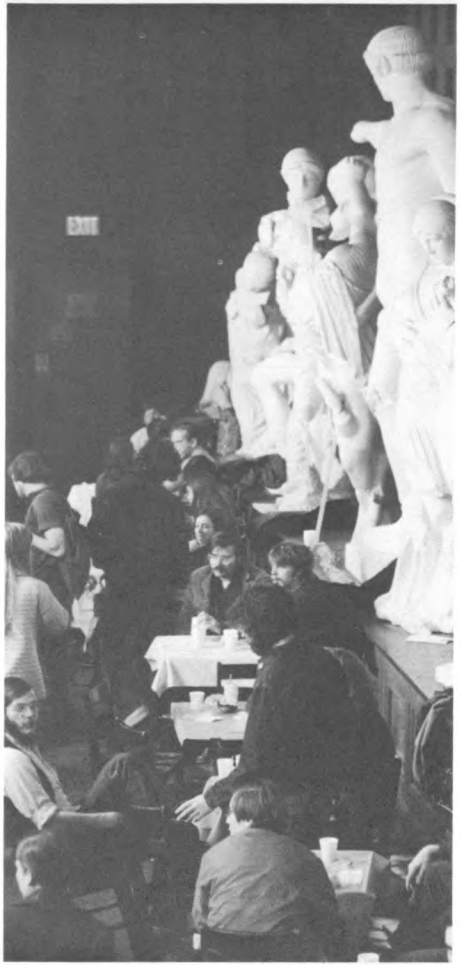
Historically students have studied four years for their Bachelor of Arts degree. However, now some may graduate in only three or three and one-half years, and some in five.

During the undergraduate years, students take at least two courses in one of the natural sciences, in one of the social sciences or history, and in one of the humanities or one of the expressive arts. In addition, they must achieve competence in the use of the English language and lay a sound foundation in at least one foreign language. In their last two years students devote roughly half of their study to acquiring depth and competence in their major subject or area of concentration.

Although a part of the course of study is required, the student exercises a wide choice in selecting particular courses to meet the requirements and has numerous unrestricted electives. Students are expected to accept a large share of responsibility in shaping their own programs of study, though every student is assigned to both a student and a faculty adviser and has recourse to other sources of advice on the campus in making the most of the educational opportunities at Cornell. For information about acceleration, study off campus, and joint degree programs with other colleges at Cornell, see the *College Guide,* available from the Academic Advising Center, College of Arts and Sciences, Cornell University, Goldwin Smith Hall, Ithaca, New York 14853.

A student is offered a wide choice of fields for major study:

- Africana studies
- American studies
- anthropology
- archaeology
- Asian studies
- biology and society
- biological sciences



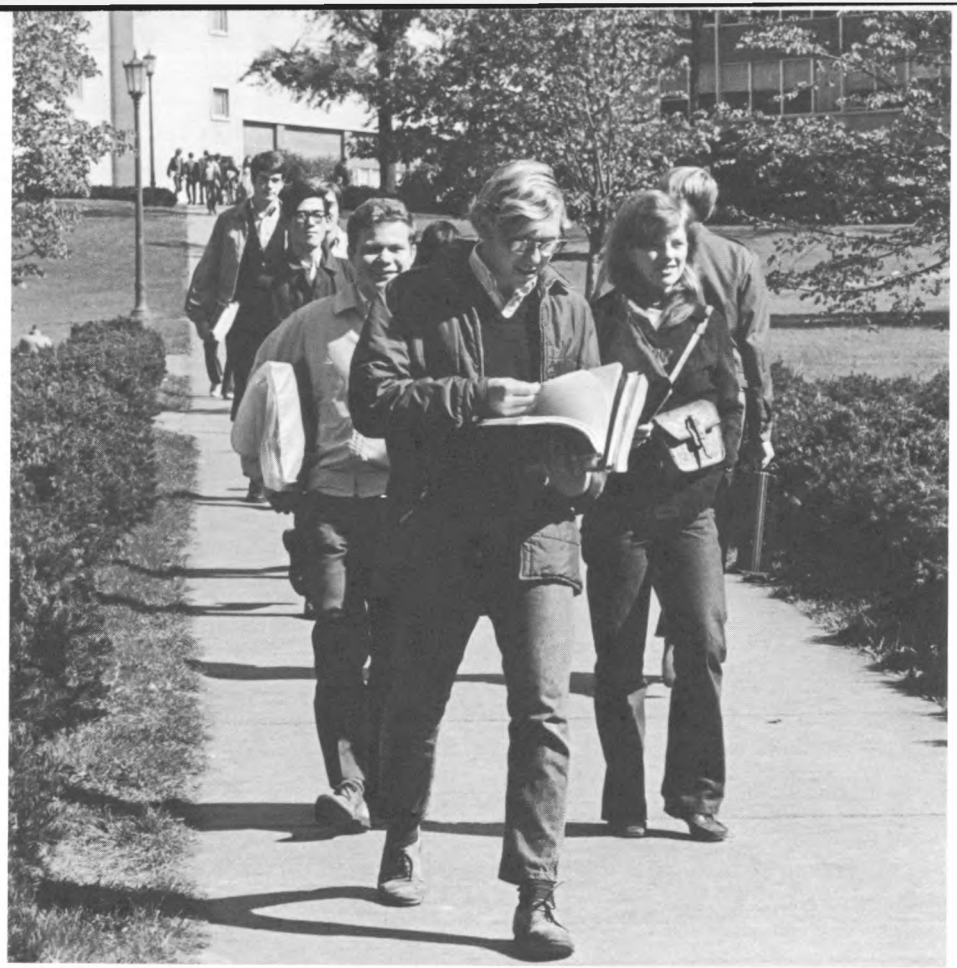
chemistry
Classics
dance
economics
English
French
geological sciences
German
German area studies
government
Greek
history
history of art
Italian
Latin
linguistics
mathematics
music
Near Eastern studies
philosophy
physics
psychology
Russian
Russian and Soviet studies
social relations
sociology
Spanish
theatre arts

Additional programs and areas of concentration include:

ancient Mediterranean studies
astronomy
comparative literature
computer science
human biology
international studies
Jewish studies
Latin American studies
law and society
medieval studies
population studies
religious studies
social psychology
Southeast Asian studies
urban studies
women's studies

Individual programs may be constructed through the College Scholar and Independent Major Programs (see p. 43).

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*. Both of these publications may be obtained by using the postcard at the back of this book or by writing to Cornell University Announcements, Research Park, Ithaca, New York 14853.



# College of Engineering

At Cornell, engineering programs prepare students for careers in technological areas and also for advanced work in a wide range of scientific, professional, business, and interdisciplinary fields.

The four-year program, which leads to the Bachelor of Science degree, provides a broad educational background as well as a foundation in science, mathematics, and engineering. Cornell also offers graduate programs in engineering and applied science leading to the professional degree of Master of Engineering in any of eleven fields of engineering, or to the general degrees of Master of Science and Doctor of Philosophy.

All undergraduate engineering students are enrolled in the Division of Basic Studies for their freshman and sophomore years and then enter a specialty field or develop an individualized, often interdisciplinary program of study. Each curriculum includes at least 40 percent elective courses, some in liberal studies, some in technical subjects, and some unrestricted.

Among well-defined majors offered by the College are the following field programs:

- chemical engineering
- civil and environmental engineering
- electrical engineering
- engineering physics
- geological sciences
- materials science and engineering
- mechanical engineering
- operations research and industrial engineering

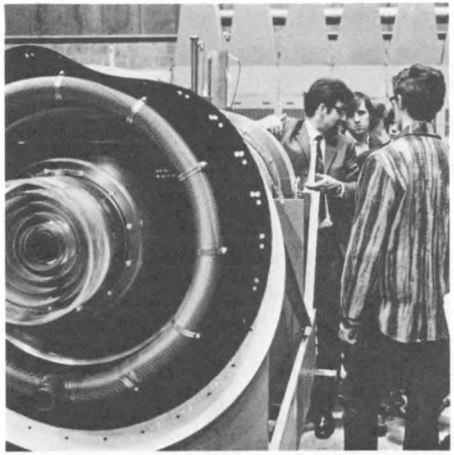
A program in agricultural engineering is arranged by enrollment in the College of Agriculture and Life Sciences for the first three years and in the College of Engineering for the fourth year.

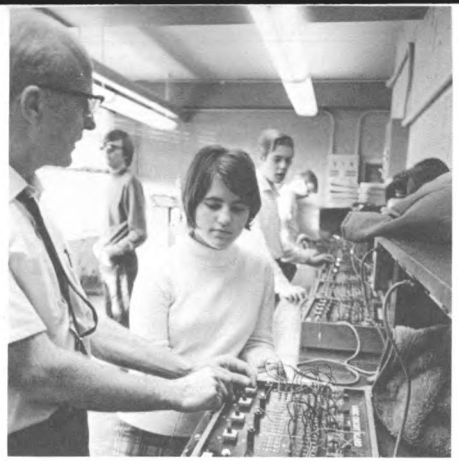
There is considerable opportunity for the development of individualized curricula within the field programs, but for students whose interests or career goals are not met by one of these programs, there is the additional option of an individually structured College Program. Students in the College Program combine several engineering disciplines or augment their engineering education with study in such areas as the physical or social sciences, biology, computer science, architecture, city and regional planning, and ecology and conservation. Certain partially structured College Programs are sponsored by some of the engineering departments. These are in the areas of computer science, energy conversion, engineering science, environmental and public systems, and survey engineering.

Special programs available to engineering students include the Engineering Cooperative Program, which provides for periods of employment in industry during the undergraduate years without delaying graduation. Each co-op student gains valuable work experience with one of about forty participating companies. Another special program provides financial aid and counseling services for minority-group students. Also, there is an active plan to facilitate the entry of transfer students from two-year colleges.

After receipt of the Bachelor of Science degree, most Cornell engineering students continue their studies at the graduate level. The largest number enters the College's Master of Engineering degree program, which offers curricula that are integrated with upperclass majors and so provides professional education in an overall five-year course of study. Other graduates enter general graduate degree programs in some branch of engineering or applied science through the Cornell Graduate School or at other universities. Some elect to prepare for careers in nonengineering fields such as business, education, law, and medicine.

The Cornell Master of Engineering (M.Eng.) degree, with field designation, is the professional engineering degree awarded by the University. It is designed primarily for those who wish to practice an engineering specialty, but it also provides a practical base for further graduate study in Ph.D. programs in





applied science and engineering. The program is open to science and engineering graduates from other four-year institutions as well as Cornell. The M.Eng. degree may be taken in any of the following areas: aerospace, agricultural, chemical, civil, electrical, materials, mechanical, or nuclear engineering; operations research and industrial engineering; engineering mechanics; and engineering physics. For this degree, a design project rather than a thesis is required.

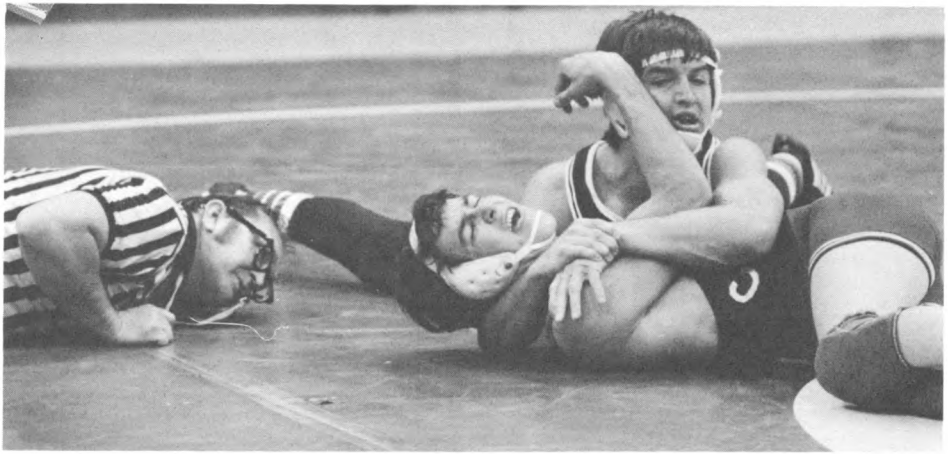
The M.S.-Ph.D. degree program is organized into graduate fields of instruction. The fields that may be of interest to engineering students include: Aerospace Engineering, Agricultural Engineering, Applied Mathematics, Applied Physics, Chemical Engineering, Civil and Environmental Engineering, Computer Science, Electrical Engineering, Geological Sciences, Materials Science and Engineering, Mechanical Engineering, Nuclear Science and Engineering, Operations Research, Theoretical and Applied Mechanics, and Water Resources.

A baccalaureate or equivalent degree from a college or university of recognized standing is required for admission to a graduate degree program in engineering.

Acceptance into the Master of Engineering degree program is generally accorded a baccalaureate graduate of the Cornell College of Engineering if the student has a cumulative grade-point average of at least 2.5. Graduates of schools other than Cornell must provide a transcript showing completion of an accredited engineering program or its equivalent, two letters of recommendation, and a statement of academic purpose.

Those who wish to enroll in graduate programs leading to the Master of Science or Doctor of Philosophy degree should apply to the Graduate School. It is advisable for prospective students to correspond with the professor who is the graduate faculty representative in the subject area of interest.

More detailed information about undergraduate study in engineering is contained in the booklet *Engineering at Cornell. Graduate Study in Engineering and Applied Science* and the *Announcement of the Graduate School* provide more information about graduate study in engineering. These publications may be obtained by using the postcard at the back of this book or writing to Cornell University Announcements, Research Park, Ithaca, New York 14853.



# School of Hotel Administration

The School of Hotel Administration offers training in the numerous disciplines required for modern management, including accounting, finance, marketing, operations, and human resources development. The School's graduates hold executive positions in a variety of industries, but are especially well represented in the management of hospitality-related enterprises, such as hotels, motels, condominiums, clubs, and restaurants.

Students are encouraged to pursue a broad range of courses, including those in the humanities, as preparation for assuming their places in the business community. All students are required to master a nucleus of selected courses, which over the years have proved essential to the proper training of a successful manager. Included in this basic curriculum are courses in financial management, food and beverage operations, administration, and physical plant management. The courses are technical in nature, requiring a command of quantitative techniques, but they also present broad concepts applicable to the varied situations encountered in the commercial world.

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

Students receive practical training through the operation of the Statler Inn, a practice hotel on the University campus containing rooms for transient guests, banquet facilities, service restaurants, and cafeterias. A very successful work-study program also provides management internships for academic credit in selected organizations away from the campus.

Graduate study in the School leads to the Master of Professional Studies (Hotel Administration), Master of Science, or Doctor of Philosophy degree. More detailed information is available in the *Announcement of the School of Hotel Administration* and the *Announcement of the Graduate School*. These publications may be obtained by using the postcard at the back of this book or by writing to Cornell University Announcements, Research Park, Ithaca, New York 14853.

Requests for further information regarding the undergraduate program should be addressed to the Admissions Office, School of Hotel Administration, Cornell University, Statler Hall, Ithaca, New York 14853.

# New York State College of Human Ecology

Students in the College of Human Ecology at Cornell University complete undergraduate and graduate programs that lead to careers in human problem-solving. Building on study in the traditional disciplines of the biological, physical, and social sciences and design, these programs investigate the mutual interaction of individuals and environments. Through analysis of the family, the community, and society, students of human ecology study in fields of importance to contemporary life: nutrition and health, housing and environmental design, the consumer in the marketplace, human growth and development, the stability of the family, the effectiveness and efficiency of social service systems, and the impact of technology on human well-being.

The undergraduate curriculum leads to a Bachelor of Science degree in human ecology from Cornell University. While a considerable part of the curriculum involves course work in the College, students find that graduation requirements and elective opportunities take them into courses in other colleges of the University.

Undergraduates select from among nineteen areas of concentration:

**Community Service Education**—adult and community education, home economics education, social work

**Consumer Economics and Public Policy**—consumer economics, housing

**Design and Environmental Analysis**—apparel design, human and social factors, interior design, product design, textiles

**Human Development and Family Studies**—cognitive, personality and social development (from infancy through adolescence), family studies, atypical development

**Nutritional Sciences**—community nutrition, dietetics, food, nutrition

**Interdepartmental Program in Social Planning and Public Policy**

Students have until the end of the sophomore year to choose their area of concentration. An individualized curriculum is possible, but students seeking this avenue must have high commitment to a clear educational goal if this option is to serve them well.

There is ample opportunity to build a bachelor's program based on traditional concepts of liberal education combined with a program of study directed toward a specific professional career. A special quality of many of the College programs is that they require some study outside the traditional classroom, laboratory, and library setting of the campus. Human ecology emphasizes field study as part of the commitment to provide students with a framework for developing a systematic understanding of social systems and problems.

Certain areas of concentration carry students directly along a professional career path. The College of Human Ecology has one of the first accredited undergraduate social work programs. It also has a nationally recognized innovative course of study leading to certification in home economics teaching. Nutrition majors interested in dietetics can take a well-planned curriculum that fulfills the professional requirements of the American Dietetics Association.

Other areas of concentration are preprofessional in nature and provide a basis for further education and training in such fields as clinical psychology, childhood education, law, medicine, biology and biochemistry, textile chemistry, psychopathology, economics, sociology and social psychology, business and public administration, public health, clinical nutrition, communication, environmental design and analysis, social work, community education, public policy, and human development.

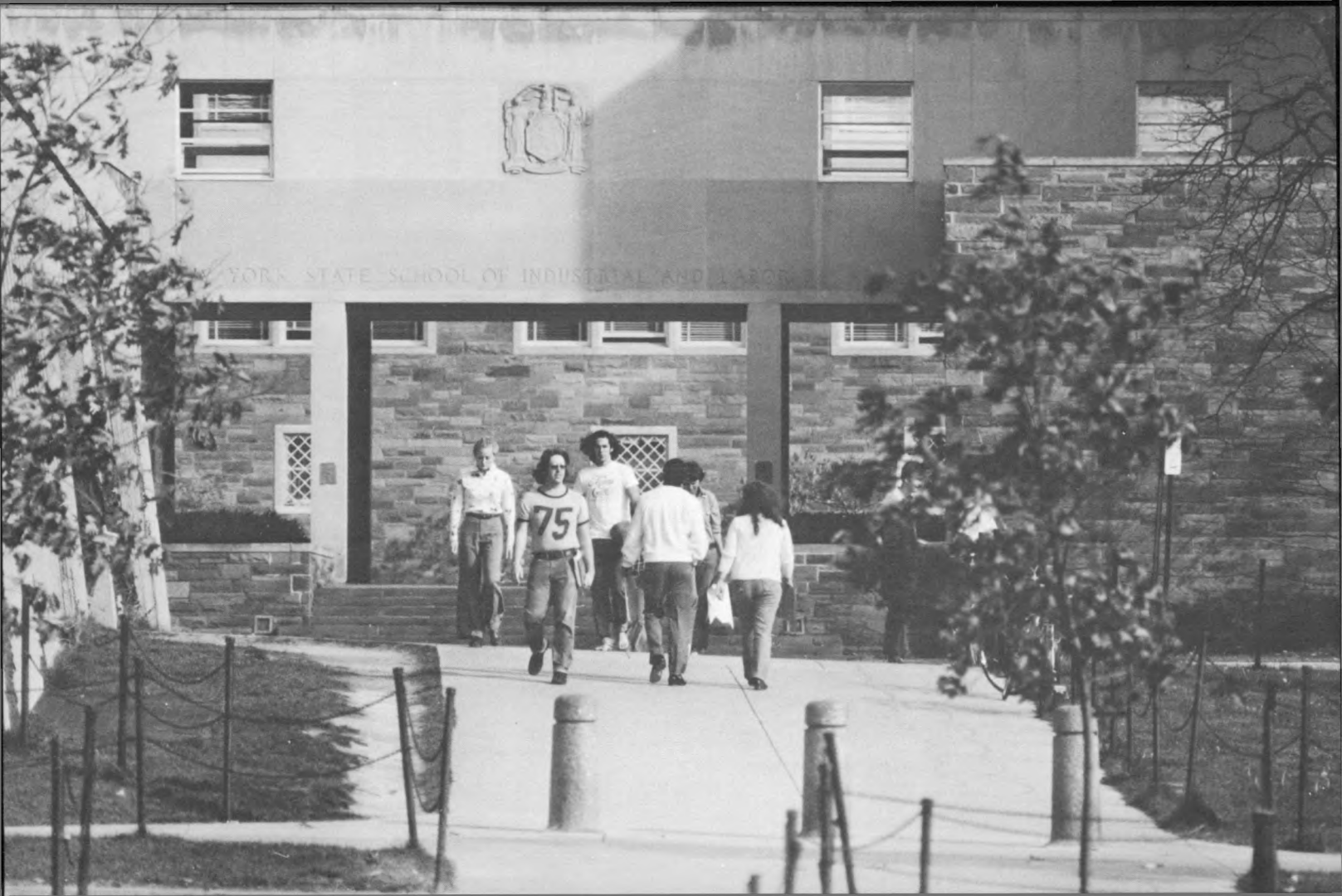
The pragmatic student will find in human ecology a wide set of options and a broad education that the highly professional schools cannot provide. The student with very clear career goals in business, education, public service, and research will find opportunities for purposeful study that fit those goals. Students who are less certain about their career path but who know that they are interested in a liberal education that has a clear focus on human service will find human ecology an appropriate college choice.

As a college dedicated to training for problem solving in both the public and private sectors, human ecology feels a special obligation to consider the outcomes of its educational programs in terms of career opportunities for its students. A fair percentage of its graduates (about 42 percent) go directly from graduation into the work force. About one-third go on to higher education. Almost 15 percent have not resolved their next career step by the fall after they graduate. A sampling of positions taken by graduates in the last five years tells a more characteristic story.

In the world of business and industry, graduates have held such job titles as consumer education specialist, financial analyst, public relations assistant, textile chemist, and pension administrator. In the field of education they have taken positions such as education research director, college counselor, Cooperative Extension agent, and college student life director. In government they have been hired to do service as therapeutic dietitian, youth division counselor, hospital drug researcher, public health counselor, and state personnel analyst.

Inquiries about the undergraduate programs may be addressed to the Director of Admissions, College of Human Ecology, Cornell University, Martha Van Rensselaer Hall, Ithaca, New York 14853.

Graduate study in the College, offered through all departments, leads to either the master's or the Ph.D. degree. Detailed information is available in the *Announcement of the Graduate School,* which may be obtained by using the postcard at the back of this book or writing to Cornell University Announcements, Research Park, Ithaca, New York 14853; and from the Associate Dean for Graduate Education and Research, College of Human Ecology, Cornell University, Martha Van Rensselaer Hall, Ithaca, New York 14853.


YORK STATE SCHOOL OF INDUSTRIAL AND LABOR
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# New York State School of Industrial and Labor Relations

The School of Industrial and Labor Relations offers professional study in its field for both undergraduate and graduate students. The curriculum is designed to prepare men and women for careers in personnel and union-management relations work with business and industry, labor organizations, and state and federal government agencies. It also offers preparation for graduate study in the fields of law, education, business, psychology, sociology, economics, history, political science, international affairs, and other fields concerned with contemporary social, economic, urban, and political problems.

To develop an understanding of modern industrial society, the curriculum provides a broad base in the social sciences, a core of course work in industrial and labor relations, and a complement of general electives in the humanities. The freshman and sophomore years consist mainly of required courses, offered by the School and the College of Arts and Sciences. Upperclass students are free to pursue elective studies, about evenly divided between courses offered by the School and by other divisions of the University.

Undergraduates wishing to prepare for graduate work in one of the basic social sciences may use out-of-School electives to establish an informal minor in economics, government, history, psychology, or sociology.

Advanced industrial and labor relations electives are chosen from the offerings of the following departments in the School:

- Collective Bargaining, Labor Law, and Labor History
- Economic and Social Statistics
- International and Comparative Labor Relations
- Labor Economics and Income Security
- Manpower Studies
- Organizational Behavior

Undergraduate study leads to the Bachelor of Science degree and graduate study leads to either the master's or the doctoral degree.

Further information is contained in *ILR at Cornell* and *Graduate Study at ILR*, obtained by using the postcard at the back of this book or writing to Cornell University Announcements, Research Park, Ithaca, New York 14853; or write to Director, Office of Resident Instruction, School of Industrial and Labor Relations, Cornell University, 101 Ives Hall, Ithaca, New York 14853.

# Graduate Units

Graduate study at Cornell is pursued through the Graduate School, which administers the many graduate fields of study, and in the various graduate professional schools and colleges.

## Graduate School

The Graduate School offers facilities for advanced study and research to 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 the scholarly enthusiasm and the attainment of scholarly independence is not assured by a system of regulations and requirements alone; the faculty regards person-to-person relationships between student and Special Committee as the best way for the student to reach scholarly maturity. The faculty makes no specific course-hour requirements for the advanced general degrees of Master of Arts, Master of Science, and Doctor of Philosophy but makes only such general requirements that, 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, oral examinations to establish competency for presentation of a thesis, and a satisfactory thesis. The Graduate School Faculty, as a unit, exercises sole jurisdiction over these advanced general degrees.

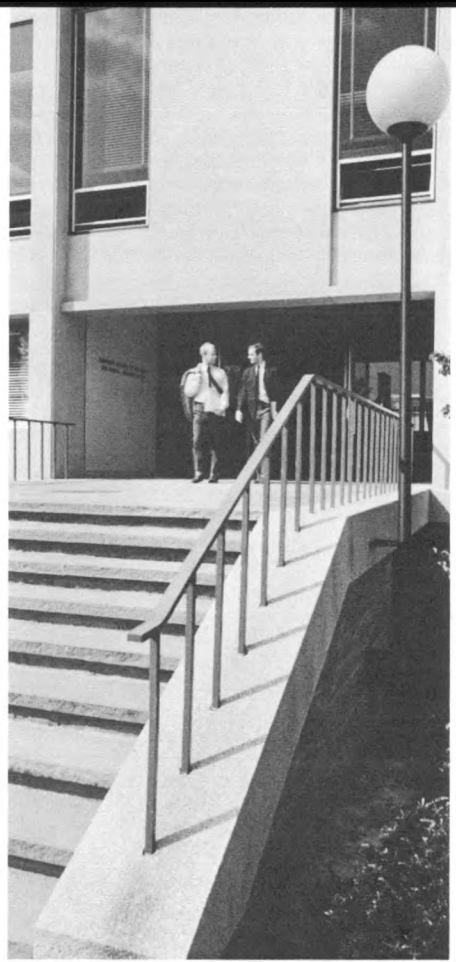
### Requirements for Admission

To be admitted to the Graduate School an applicant should

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 previous record, of ability to pursue advanced study and research satisfactorily (class standing in the top third is considered minimal);
3. have adequate preparation for graduate study in the chosen field;
4. have fluent command of the English language;
5. have a combined score of 1200 in the Aptitude Test of the Graduate Record Examinations in those fields that require the GRE.

Information concerning admission requirements and courses of study for professional degrees may be obtained from the several colleges that administer them. Students wishing to use the University's facilities for intensive specialized training only, and who do not wish to become degree candidates, may apply for admission as noncandidates.

Inquiries regarding admission and fellowships should be addressed to the Dean of the Graduate School, Cornell University, Sage Graduate Center, Ithaca, New York 14853. Applications for admission and financial support should be received before January 15.



Inquiries regarding facilities for advanced study and research in a given field, special requirements for such study and research, and opportunities for teaching and research assistantships may be addressed to a member of the faculty in the particular field.

For further information see the *Announcement of the Graduate School,* which may be obtained by using the postcard at the back of this book or writing to Cornell University Announcements, Research Park, Ithaca, New York 14853.

## Graduate School of Business and Public Administration

The Graduate School of Business and Public Administration prepares men and women for managerial careers in private business, public service, and health care. The School offers course work in many disciplines to provide potential business, public, and health managers with an understanding of the complexities of the external environment in which they will operate and of the internal workings of the organizations of which they will become a part.

In most cases, a bachelor's degree or its equivalent is required for admission to the two-year program leading to the Master of Business Administration (M.B.A.), Master of Public Administration (M.P.A.), or Master of Professional Studies (Hospital and Health Services Administration)—M.P.S. (H.H.S.A.)—degree. Generally about two-thirds of the students have a background of undergraduate studies in arts and sciences and about one-quarter have studied engineering.

There are combined degree programs for highly qualified students in the undergraduate divisions, which allow them to register in the B&PA School during their senior year, earning a master's degree in less than the usual time.

The Doctor of Philosophy program, administered through the Graduate School, provides an advanced and comprehensive education in administration, primarily for those who seek careers in teaching and research.

More detailed information about these programs is available in the *Announcement of the Graduate School of Business and Public Administration,* obtained by using the postcard at the back of this book or by writing to Cornell University Announcements, Research Park, Ithaca, New York 14853; or from the Director of Admissions and Student Affairs, Graduate School of Business and Public Administration, Cornell University, Malott Hall, Ithaca, New York 14853.

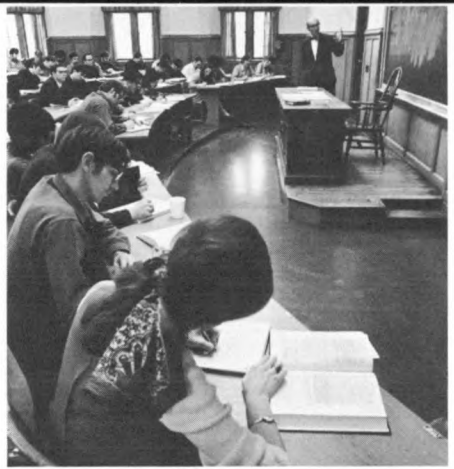
# Law School

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

Ordinarily a student who is admitted to the Law School must have a baccalaureate degree from an approved college or university. The course of study leading to the degree of Doctor of Law (J.D.) covers three academic years. A limited number of students will be admitted to a program of study leading to the degree of Doctor of Law (J.D.) "with specialization in international affairs."

There are combined graduate degree programs with the Graduate School of Business and Public Administration, the Department of City and Regional Planning, and the School of Industrial and Labor Relations, as well as a special opportunity for highly qualified undergraduates in the College of Arts and Sciences to register in the Law School during their senior year.

The graduate program of the Cornell Law School is a small one, to which only a few students are admitted each year. The LL.M. degree (Master of Laws, Legum Magister) and the J.S.D. degree (Doctor of the Science of Law, Jurisprudentiae Scientiae Doctor) are conferred. A small number of law graduates may also be admitted as special students, to pursue advanced legal studies without being degree candidates.



Requests for further information should be addressed to the Director of Admissions, Cornell Law School, Myron Taylor Hall, Ithaca, New York 14853.

# New York State College of Veterinary Medicine

The College of Veterinary Medicine offers a professional program which requires four years of full-time academic and clinical study of the normal and abnormal structure and function of the animal body and the diagnosis, treatment, and prevention of animal disease.

Graduates of the College receive the Doctor of Veterinary Medicine (D.V.M.) degree, which is recognized by licensing boards throughout the world. Graduates generally enter private practice or become engaged in an increasing number of other biomedical activities.

Admission requires a minimum of three years of college work, including specific prerequisite courses and experience. In exceptional cases, outstanding students who have completed all of the prerequisites in two years of undergraduate education may be considered for admission. Applications must be filed approximately one year before the proposed matriculation date. The competition for admission is keen since there are many more qualified applicants than can be admitted.

Graduate programs in veterinary research and postdoctoral training in clinical specialties are open to Doctors of Veterinary Medicine and some highly qualified holders of baccalaureate degrees, and lead to the degree of Master of Science, Doctor of Science in Veterinary Medicine, or Doctor of Philosophy.

More detailed information is contained in the *Announcement of the College of Veterinary Medicine,* which may be obtained by using the postcard at the back of this book or writing to Cornell University Announcements, Research Park, Ithaca, New York 14853.

## Medical College

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

The Medical College offers a four-year course of professional instruction leading to the degree of Doctor of Medicine and qualifying graduates for licensing examinations in all states and territories of the United States. Applicants for admission to the Medical College must have completed at least three years of undergraduate study at approved universities, colleges, or scientific schools. The first two years of the medical curriculum are devoted primarily to study of the basic sciences of anatomy, microbiology, pathology, physiology, biochemistry, public health, and pharmacology, but a number of hours are reserved for the clinical sciences (approximately 20 percent of total time) and electives (10 percent of total time). In addition, a number of interdisciplinary and interdepartmental conferences are offered. The last two years concentrate on training in the clinical sciences of internal medicine, neurology, surgery, pediatrics, psychiatry, and obstetrics and gynecology. The fourth-year program consists of electives selected by the student.

Cornell University Medical College is a component of The New York Hospital-Cornell Medical Center. In its teaching programs the Medical College is affiliated with and uses the clinical facilities of The New York Hospital, Memorial Sloan-Kettering Cancer Center, the Hospital for Special Surgery, and the North Shore University Hospital.

Requests for information should be addressed to the Chairperson, Admissions Committee, Cornell University Medical College, 411 East 69 Street, New York, New York 10021.

## Graduate School of Medical Sciences

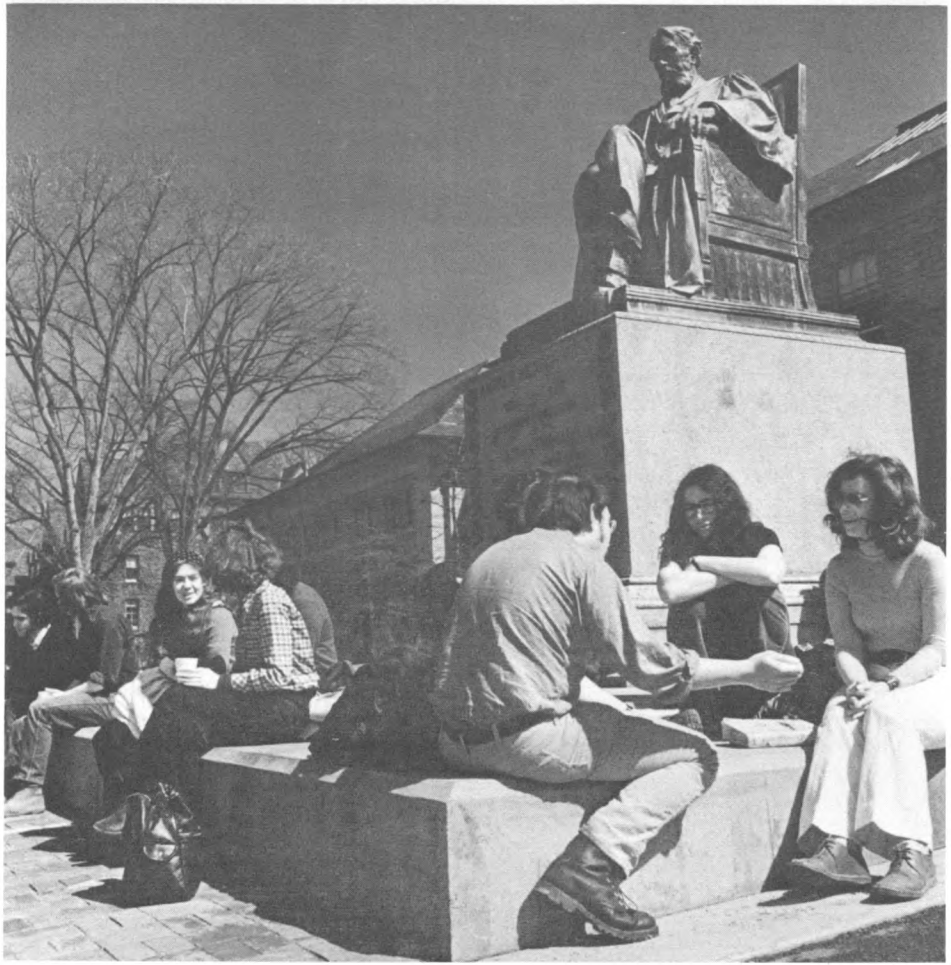
The Graduate School of Medical Sciences offers programs leading to the degree of Doctor of Philosophy in the Fields of Biochemistry, Biological Structure and Cell Biology, Biology, Biomathematics, Biophysics, Genetics, Microbiology, Neurobiology and Behavior, Pathology, Pharmacology, and Physiology. The School also offers programs leading to the Master of Science degree in some of these fields. The faculty of the School is drawn from the basic science departments of Cornell University Medical College and from the units of its Sloan-Kettering Division. The research facilities of the Medical College and of the Sloan-Kettering Institute for Cancer Research are utilized in the graduate programs of the School. Requests for information should be addressed to the Graduate School of Medical Sciences, Cornell University Medical College, 1300 York Avenue, New York, New York 10021.

## Cornell University-New York Hospital School of Nursing

The School of Nursing, located in New York City, is a unit within the complex of The New York Hospital-Cornell Medical Center. The nursing program is open to persons who have a baccalaureate degree in another discipline from a regionally accredited college or university and who seek professional education.

The program, consisting of four semesters of full-time study, leads to the degree of Bachelor of Science in Nursing. Opportunities are open to graduates in a wide variety of health services in the United States and abroad.

Requests for further information should be addressed to the Director of Admissions, Cornell University-New York Hospital School of Nursing, 515 East 71 Street, New York, New York 10021.



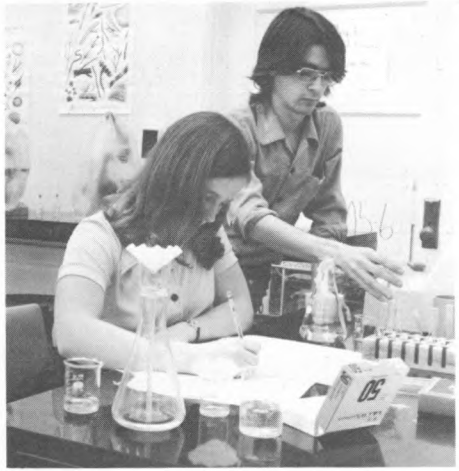
# Business and Preprofessional Study

## Undergraduate Business Study

Undergraduate study and preparation for business are found in many different schools and colleges at Cornell. Students most frequently take courses in more than one area, as well as in related fields, to construct a program to suit individual interests and career objectives. Each of the following areas provides a different focus for application and use of business study and training, and students should consider carefully the specific implications of each program when making a choice. (Graduate study is available in the Graduate School of Business and Public Administration as well as in graduate fields following each of the undergraduate options.) The areas most often pursued include:

- applied economics and business management (Agriculture and Life Sciences)
- economics (Arts and Sciences)
- engineering
- hotel administration
- consumer economics and public policy (Human Ecology)
- industrial and labor relations

**Applied economics and business management** provides instruction appropriate for both agricultural and nonagricultural use. Economics, marketing, finance, public affairs



management, food industry management, resources management, and distribution processes are examples of specific areas available. There is greater emphasis on the application of these areas and less on the theoretical aspects of economic theory and money, currency, and banking. (These subjects would be more easily pursued in the Department of Economics.)

**Economics** provides a broad view of that social science concerned with the description and analyses of the production, distribution, and consumption of goods and services, the understanding of monetary systems, and the comprehension of economic theories and models. It is more often viewed as preprofessional than as training for immediate practice in business or economics.

**Engineering** is an area of professional study that provides much of the management personnel of modern industry. Engineers frequently climb the ladders of technological management, which then lead to more general management responsibilities—more than half of the management-level personnel of major corporations such as General Electric, Xerox, IBM, and DuPont have engineering degrees. In addition to becoming managers by being effective technical supervisors, many students enter engineering explicitly anticipating graduate business education, judging that an engineering background is particularly appropriate for management in a technology-oriented society.

**Operations research and industrial engineering,** one of the specific engineering departments, is particularly appropriate for those anticipating a business management career. The curriculum focuses on the design of integrated, cost-effective systems of people, materials, and equipment for manufacturing industries, public and private service organizations, and consulting firms.

**Hotel administration** is an undergraduate program that provides managers for the hospitality industry. Capability for management of motels, hotels, condominiums, restaurants, clubs, hospitals, and land and facility development is developed through instruction in personnel and general administration, financial management, food and beverage service, and communications. Students interested in the School of Hotel Administration must have developed an explicit awareness of and commitment to this area through work experience, reading, study, and discussions with industry representatives.

**Consumer economics and public policy** has a particular focus on the economic behavior and welfare of consumers in the private, public, and mixed sectors of the economy, and has an option for special concentration on housing. It aims at the understanding of economics, sociology, and government policy as they apply to consumer problems.

**Industrial and labor relations** involves the study of the world of work, especially the employee-employer relationship in the broadest sense, including the political, social, and economic forces affecting that relationship. Graduates can pursue immediate employment in industry, government, and labor organizations, or choose graduate study in the ILR field or such related fields as law and business and public administration.

## Related Areas

In addition to the major business programs, courses in directly related areas are found in many of the University departments. For example, quantitative methods may be studied in the Departments of Mathematics and Computer Science; courses in public administration are found in the Departments of Government and City and Regional Planning. There are additional special programs that allow students with an interest in business to focus their study on a particular geographic area. Examples are the Latin American Studies Program, the South Asia Program, and the Africana Studies and Research Center. Such interdisciplinary programs as Science, Technology, and Society and the various programs in international agriculture provide additional opportunities for study of interest to business students.

## Combined Degree Programs

Because Cornell does have a Graduate School of Business and Public Administration, there exists here a special opportunity for highly qualified undergraduates to combine their undergraduate program with graduate study in that school. Students in such a combined degree program generally receive a bachelor's degree after four years of study and a Master of Business Administration, Master of Public Administration, or Master of Professional Studies (Hospital and Health Services Administration) degree after the fifth year of study, rather than the normal sixth year. Admission to these combined degree programs is limited to particularly promising candidates, and careful planning is required for successful integration of the work of the two degree programs.

# Prelaw Study

Law schools do not prescribe any particular prelaw program; nor do they require any specific undergraduate courses as do medical schools. Law touches nearly every phase of human activity and there is practically no subject that can be considered to be of no value to the lawyer and no undergraduate course of study that can be judged as totally inappropriate. Prelaw students should, however, be guided by certain principles when selecting college courses.

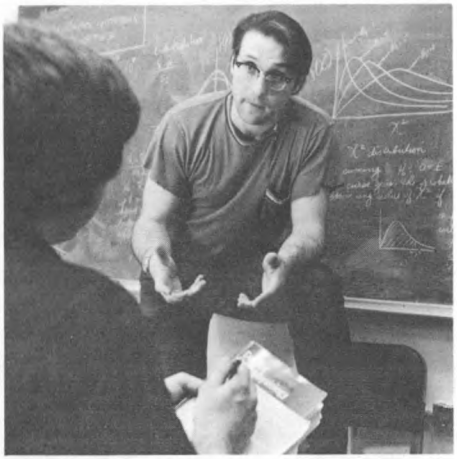
1. Pursue personal intellectual interests. Interest encourages scholarship, and students will derive the greatest benefit from those studies that stimulate their interest.

2. Attempt to develop precision of thought. Of first importance to the lawyer is the ability to express thoughts clearly and cogently, both in speech and in writing. Courses in the Freshman Seminar Program, required of nearly all Cornell freshmen, are especially designed to develop these skills. English literature and composition and communication arts courses also serve this purpose. Logic and mathematics develop exactness of thought. Also of value are economics, history, government, and sociology, because of their close relation to law and their influence upon its development; ethics, because of its kinship to guiding legal principles; and philosophy, because of the influence of philosophic reasoning upon

legal reasoning and jurisprudence. Psychology leads to an understanding of human nature and mental behavior. Some knowledge of the principles of accounting and of the sciences, such as chemistry, physics, biology, and engineering, is recommended and will prove of practical value to the lawyer in general practice in the modern world.

3. Study cultural subjects that, though they may have no direct bearing upon law or a legal career, will expand students' interests, help to cultivate a wider appreciation of literature, art, and music, and make better educated and well-rounded persons.

4. Consider the special utility of certain subjects to specialized legal careers. For some, a broad scientific background—for example in



agriculture, chemistry, physics, or engineering—when coupled with training in law, may furnish particular qualifications necessary for specialized work with the government, counseling certain types of businesses, or for a career as a patent lawyer. A business background may be helpful for those planning to specialize in corporate or tax practice. Students who anticipate practice involving labor law and legislation might consider undergraduate study in the School of Industrial and Labor Relations. But whatever course of study you choose at Cornell, the important tasks are to acquire perspective, social awareness, and a critical cast of mind; to develop the ability to think logically and analytically and to express your thoughts clearly and forcefully. These are the crucial tools for a sound legal education and successful career.

## Dual Registration

The presence of the Cornell Law School on campus provides the opportunity for a limited number of highly qualified undergraduates registered in the College of Arts and Sciences at the University to be admitted to the Law School. At the time of entry they must have completed 105 of the 120 hours required for the A.B. degree, including 92 hours of courses in the College of Arts and Sciences.

## Premedical Study

Medical and dental schools, while not prescribing any particular major course of study, do require that a particular selection of undergraduate courses be completed. These requirements include one year of general chemistry and one year of organic chemistry, one year of biology, one year of physics, one year of mathematics, and one year of English composition or a Freshman Seminar course. In addition, those premedical students who elect a nonscience major, are advised to take at least one advanced biological science course, such as genetics, embryology, histology, or physiology.

There is no "best" major program for those considering medical or dental school, and students are therefore encouraged to pursue their own intellectual interests. Students are more likely to succeed at and benefit from subjects that interest and stimulate them and there is no evidence that medical colleges give special consideration to any particular undergraduate training beyond completion of the required courses. In the past at Cornell, most successful applicants to medical and dental schools have been enrolled primarily in the Colleges of Arts and Sciences and Agriculture and Life Sciences, with some also in the Colleges of Engineering and Human Ecology. The appropriate choice depends to a great extent upon the student's other interests.

## Health Careers Advisory Office

Cornell provides guidance and advice for premedical, predental, and other health career students through its Health Careers Advi-

sory Office. Students are encouraged to contact that office whenever they have determined their interest in a health profession. In addition to general advising, this office also sponsors the Health Careers Advisory Committee, a faculty committee that participates in formulating a composite letter of recommendation for each student who applies to medical or dental schools, supporting his or her applications.

## Dual Registration Programs

Qualified students in the Colleges of Agriculture and Life Sciences and Arts and Sciences may apply for acceptance into a dual registration program arranged between Cornell University and the Upstate College of Medicine at Syracuse. Students from these two colleges and the College of Human Ecology are eligible for a similar program arranged with the Cornell Medical College in New York City. Both programs allow registered students to save one year in pursuit of the bachelor's and M.D. degrees. Further information about these programs is available from the Health Careers Advisory Office, G-14 Stimson Hall.

## Preveterinary Study

There is no specific preveterinary program at Cornell and students interested in veterinary medicine as a career objective should select an area for study that fits their interests while at the same time meeting the entrance requirements for veterinary college listed below. Most prevet students enroll in the College of Agriculture and Life Sciences. However, because of the statutory nature of that division, out-of-state candidates will find it extremely difficult to gain acceptance into the biological sciences or animal sciences program of that college. Others, because of their secondary interests or desire for a broader undergraduate curriculum, enter other divisions of the University, especially the College of Arts and Sciences.

The college-level prerequisite courses for admission to the New York State College of Veterinary Medicine at Cornell are: one year each of English, biology, physics, and general chemistry; six credits of organic chemistry; four credits of biochemistry; and three credits of microbiology. All science courses must include a laboratory. The College also requires demonstrated proficiency in written and spoken English and encourages college-level work in mathematics. These requirements, necessary for admission to the Cornell College of Veterinary Medicine, may vary slightly among other veterinary colleges.

For information on additional preparation, including work experience and necessary examinations, students should consult the *Announcement of the College of Veterinary Medicine.*

## Division of Biological Sciences

The Division of Biological Sciences is organized to provide a unified curriculum for undergraduate majors enrolled in either the College of Agriculture and Life Sciences or the College of Arts and Sciences. Courses in biological sciences are also an integral part of many disciplines today and a basic requirement for areas of study in many schools and colleges of Cornell.

The biological sciences program stresses the importance of a firm foundation in the basic sciences and prepares the student for a career in one of the many areas and applications of modern biology. Freshmen and sophomores in the process of completing the required prerequisites may be admitted to the major on a provisional basis. Final admission to the major requires superior performance in the completion of one year of introductory biology for majors, one year of general chemistry, one year of college mathematics (including at least one semester of calculus), and at least one semester of organic chemistry. A cumulative grade-point average of 2.75 at Cornell is required. A student is not encouraged to undertake a major in biological sciences unless performance in the above four subjects gives evidence of capacity to do superior work at a more advanced level.

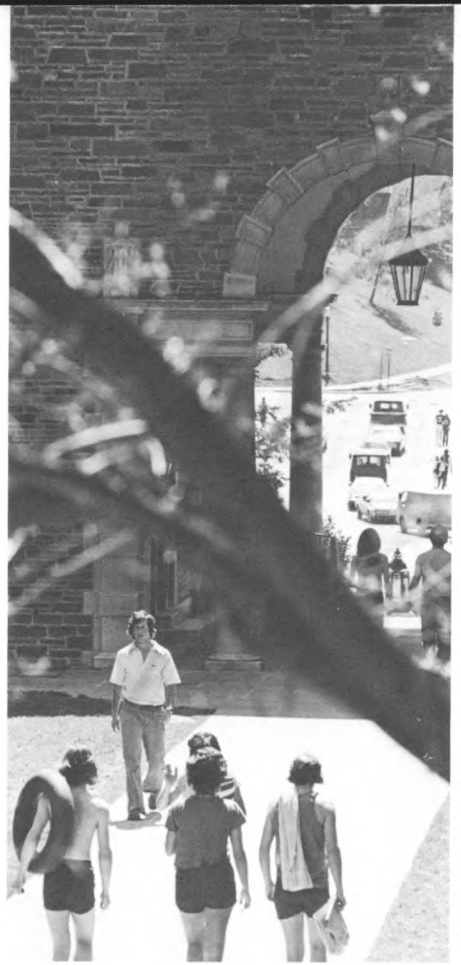
Students accepted into the biological sciences major must choose one of the following concentration areas: animal physiology and anatomy; biochemistry; botany; ecology, systematics, and evolution; genetics and development; neurobiology and behavior; or an independent concentration designed by the student and approved by the Division of Biological Sciences Curriculum Committee.

A brochure describing the biological sciences specialization in more detail is available from the admissions offices of the College of Agriculture and Life Sciences and the College of Arts and Sciences.

Graduate study in the biological sciences is administered by more than a dozen specialized fields within the Graduate School. More detailed information about graduate study is contained in the *Announcement of the Graduate School*, which may be obtained by using the postcard at the back of this book or writing to Cornell University Announcements, Research Park, Ithaca, New York 14853.

## Division of Nutritional Sciences

The Division of Nutritional Sciences is an intercollege unit administered jointly by the Colleges of Agriculture and Life Sciences and Human Ecology, which coordinates and unifies undergraduate teaching, graduate training, research, and cooperative extension activities related to human nutrition.



Students are admitted to the undergraduate major through the College of Human Ecology and must meet the admission and general graduation requirements of that college. The core of the undergraduate major is preparation in appropriate areas of physical and biological sciences and professional courses in nutritional sciences. Basic course work in chemical and biological sciences and mathematics or statistics and appropriate areas of social sciences is taken by all majors. This common core of basic disciplines provides the foundation for a concentration of professional courses in the options of nutrition, food, or community nutrition.

Graduate study in nutrition is administered by the graduate Field of Nutrition and leads to the Master of Science or Doctor of Philosophy degree. Graduate students may major in human nutrition, general nutrition, international nutrition, foods, nutritional biochemistry, and food service systems. The research interests of the faculty cover both the social science and biological science aspects of nutrition.

More detailed information about graduate study in nutrition is contained in the *Announcement of the Graduate School,* which may be obtained by using the postcard at the back of this book or writing to Cornell University Announcements, Research Park, Ithaca, New York 14853.

## Officer Education (ROTC)

As a land-grant institution chartered under the Morrill Act of 1862, Cornell has offered instruction in military science for more than one hundred years. Instruction is provided by the Department of Military Science (Army ROTC programs), the Department of Naval Science (Naval ROTC programs), and the Department of Aerospace Studies (Air Force ROTC programs).

Men and women have the opportunity, through these programs, to earn a commission while completing requirements for an academic degree. ROTC qualifies the student for service as an officer in the Army, Navy, Marine Corps, or Air Force and provides valuable managerial training for civilian or military careers. To obtain a commission in one of the armed services, a student must meet certain physical standards and complete the required course of study in a four-, three-, or two-year program. Upon graduation, the student is

commissioned and can expect to serve a required tour of active military service. Active-duty requirements vary significantly between services and programs. Certain qualified students may delay active duty to pursue graduate studies.

Participation in ROTC is voluntary. It is advisable, but not mandatory, for interested students to enroll in the fall of the freshman year since openings in the three- and two-year programs may be limited.

The two-year program is available to undergraduates who have two academic years remaining at Cornell and also to graduate students planning to spend two years at Cornell as of the date of their enrollment. Students may be eligible for scholarships consisting of tuition, books, and a monthly subsistence allowance. Interested students should communicate with the appropriate ROTC department and apply for the two-year program no later than March 1 of the academic year preceding their desired enrollment date.

Further information is given in the *Announcement of Officer Education,* which may be obtained by writing to Cornell University Announcements, Research Park, Ithaca, New York 14853. Details about the specific programs, including scholarships and active-duty requirements, may be obtained by writing the commanding officer of the department concerned, Cornell University, Barton Hall, Ithaca, New York 14853.

# Division of Summer Session and Extramural Courses

Under the auspices of the Division of Summer Session and Extramural Courses, the University offers a wide variety of credit and non-credit courses during the summer for graduate, undergraduate, and nondegree students and also provides an opportunity for local residents to take part-time study during the regular school year. In these ways an individual may gain credit toward an academic degree, take work necessary for job advancement, or pursue cultural and avocational interests.

## Summer Session

Cornell Summer Session provides some unique and unusually attractive opportunities for study and recreation for students who range in age from the high school senior to the senior citizen. With Ithaca weather at its best, summer study makes available the extensive academic and recreational facilities of the University and the Finger Lakes Region. Students may choose from a wide spectrum of courses which are scheduled during three-week, six-week, and eight-week sessions, as well as dozens of special programs of varied lengths. Admission is kept relatively open and simple. Classes meet daily, and because they are usually small, a close association between student and teacher is facilitated.

## Extramural Courses

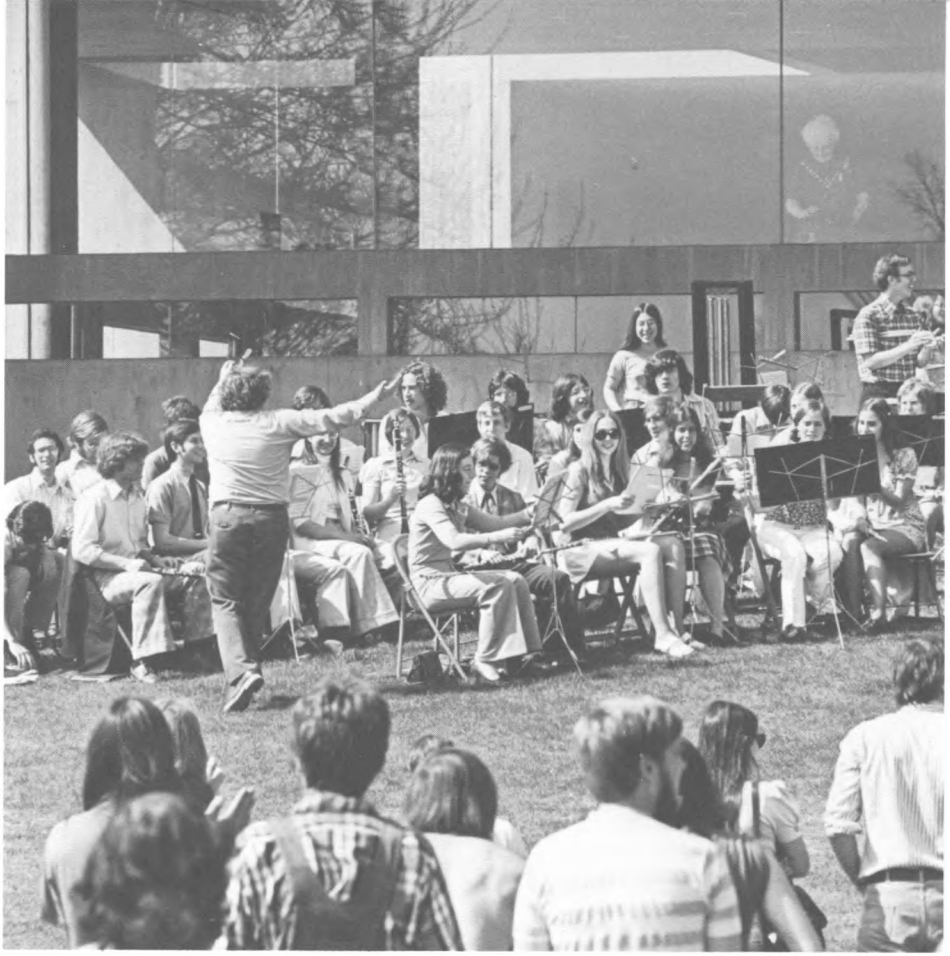
The Division of Extramural Courses at Cornell University makes it possible for persons living in the Ithaca area to take one or two courses each term for their own interest and advancement.

Such persons may apply for admission to practically any course regularly offered in the University but will be admitted only if they have the instructor's written approval. Extramural registrants have the lowest priority for space in a class and will be asked to withdraw if there is not enough space for all Cornell degree candidates who have registered for the course.

Registration is normally limited to two courses and eight credit hours per term. Under special circumstances, and with the approval of the dean of the Division of Extramural Courses, an individual may be permitted to register for nine credits.

Area residents who have no need for credit or a record of attendance should register in the "Official Visitor's" program which is available at a nominal charge.

During the January intersession period, the division offers credit courses primarily for undergraduates but open to anyone. Among the courses offered in recent years have been study tours to England and the Soviet Union.



# Interdisciplinary Programs and Centers of Study

The following listing is not comprehensive, but is rather a sampling given to indicate the range and kinds of interdisciplinary programs available at Cornell.

## Africana Studies and Research Center

Since its beginning in 1969, the Africana Studies and Research Center has grown steadily. It now has a faculty of twelve and offers twenty-four courses each semester.

The curricula for the undergraduate major and the graduate programs are specifically developed and taught by the faculty of the Africana Center. The course offerings are multidisciplinary and comparative and present a variety of subjects. Undergraduate students may major in Afro-American or African studies or a combination of both. All majors are required to take a prescribed number of core courses and a variety of electives in the focal areas of history, literature, the social sciences, and Swahili language and literature.

All courses offered by the Africana Center are approved for credit as electives in the College of Arts and Sciences. Therefore, a student need not major in the program but may take center courses as electives to fulfull college distribution requirements.

The Africana Center encourages joint majors within the College of Arts and Sciences and with the Department of Community Service Education in the College of Human Ecology in the areas of social work and adult and community education. The Africana Center's undergraduate faculty representative and the executive assistant to the director will assist students in the design and coordination of such a cooperative program.

For those students who display high-calibre academic performance, there is the choice of an honors program which allows the student an opportunity to conduct independent library research or to engage in a field project.

Graduate students engage in studies leading to a Master of Professional Studies in African and Afro-American Studies, with either an Afro-American or African speciality, or they may follow a more general program if they wish to combine the two areas. Students in other graduate fields at the University may minor in Afro-American studies or African studies.

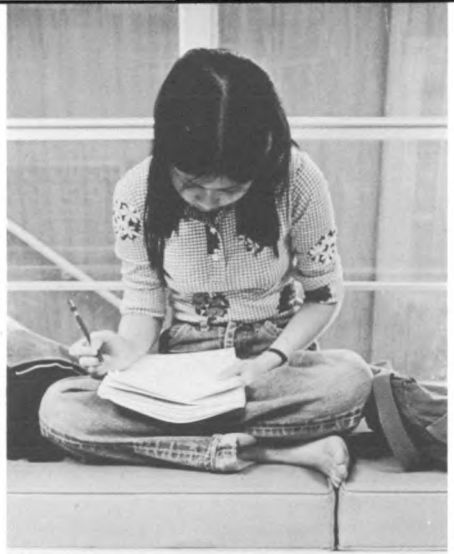
The Africana Center brings visiting lecturers to the campus, sponsors a lecture series as a forum for persons within the University, and has arranged study tours to Africa and the Caribbean.

Requests for additional information should be addressed to the Office of the Director, Africana Studies and Research Center, Cornell University, 310 Triphammer Road, Ithaca, New York 14853.

## Biology and Society Program

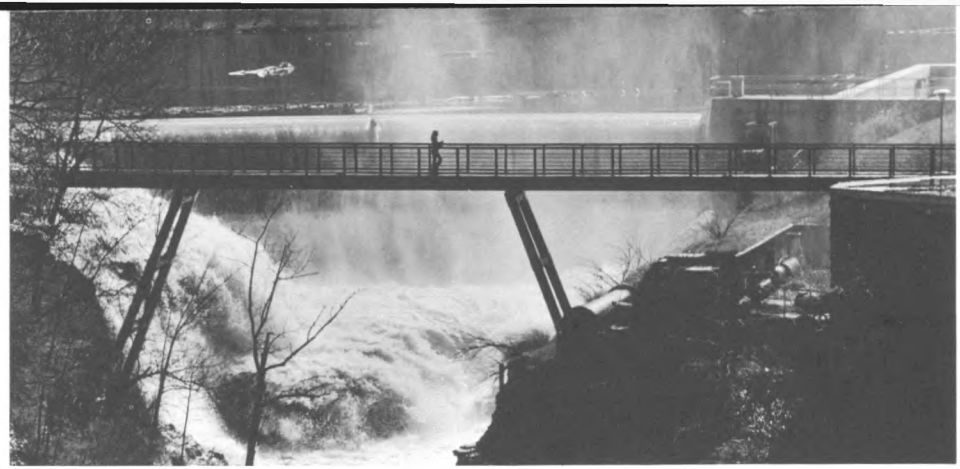
The new Biology and Society major within the College of Arts and Sciences is a general education program for students with special interests in such problems as food and population, energy, the environment, and our finite stock of natural resources, as well as for students who plan postgraduate professional study in health and medicine, law, and other fields.

Because the Biology and Society major is multidisciplinary, students must attain a basic understanding of each of the several disciplines it comprises, including introductory biology and introductory courses in the social sciences. The core curriculum includes required courses in the fields of chemistry, mathematics, genetics, ecology, and history.



In addition, majors are required to take the new two-semester course in Biology and Society and a special senior seminar. On this foundation of required courses, programs are designed in consultation with a special group of faculty advisers to accommodate each student's individual goals and interests.

Further information on the Biology and Society major, including specific course requirements and application procedures, may be obtained by contacting the Program on Science, Technology, and Society, Cornell University, 628 Clark Hall, Ithaca, New York 14853.



## College Scholar Program

Up to forty students from each class in the College of Arts and Sciences are selected as College Scholars. Working in close cooperation with faculty advisers, the College Scholars plan their own degree programs. Further information is available from the Office of Special Programs, College of Arts and Sciences, Cornell University, 159 Goldwin Smith Hall, Ithaca, New York 14853.

## Independent Major Program

This College of Arts and Sciences program is designed for students who wish to focus on a topic that lies between or across the boundaries of exisiting departments. In the second semester of the sophomore year the student is given the opportunity to define and design a major field with the guidance of appropriate members of the faculty. Further information is available from the Office of Special Programs, 159 Goldwin Smith Hall.

## Center For International Studies

The major role of the Center for International Studies is to support and coordinate Cornell's teaching and research programs in international and comparative studies. The center functions through a structured network of faculty committees which are organized on a multidisciplinary basis and clustered in area studies programs, professional programs, and problem-solving programs.

The area studies programs are China-Japan, Latin American, South Asia, Southeast Asia, and Soviet Studies. Professional programs include International Agriculture, International Legal Studies, and International and Comparative Labor Relations. Problem-solving programs, which examine substantive policy issues cutting across area and professional concerns, include International Population, International Nutrition, Participation and Labor-Managed Systems, Peace Studies, Rural Development, Science and Technology Policies in Developing Nations, and Western Societies. The center also sponsors the Field of International Development, a program of graduate studies leading to a professional master's degree.

Students interested in international or comparative studies will find that the flexibility of Cornell's undergraduate and graduate requirements permits considerable latitude in selecting subjects. Appropriate courses of study may be chosen from the regular offerings of the schools and colleges of the University. Further information about the center and its associated programs may be obtained from the Center for International Studies, Cornell University, 170 Uris Hall, Ithaca, New York 14853.

## Religious Studies Program

Twelve departments in the College of Arts and Sciences offer courses in this program, which may be chosen as a "concentration," or minor, by undergraduates. Nearly all of the world's great religions, including Christianity, Islam, Hinduism, and Buddhism, can be studied with the assistance of faculty in history, philosophy, archaeology, Asian studies, history of art, literature, sociology, and linguistics. Additional information about the program may be obtained by writing to the Religious Studies Concentration, College of Arts and Sciences, 136 Goldwin Smith Hall, Ithaca, New York 14853.

## Program on Science, Technology, and Society

The Program on Science, Technology, and Society (STS) was established in 1969 to stimulate and initiate teaching and research on the interactions of science and technology with society. The program draws its students, faculty, and researchers from all areas of the University, including the physical, biological, and social sciences; the humanities; engineering; business and public administration; and law.

Topics of special concern to the program include science and technology policy, biomedical ethics, technology assessment, citizen participation in technological decision making, environmental law and ethics, arms control and national defense policies, the scope and limits of rational decision making, and the sociology of science. These and other subjects are studied through courses, graduate and faculty seminars, workshops, and research projects.

In cooperation with University academic departments and centers, the STS Program has participated in the development of over two dozen interdisciplinary courses at both the graduate and undergraduate levels. Courses developed by the program are designed to both synthesize and contrast the perspectives of several academic disciplines in the analysis of relationships among science, technology, and the needs, values, and institutions of modern societies. The program takes part in the undergraduate biology and society major, established in 1976 within the College of Arts and Sciences, and in the graduate Field of Public Policy, offering a science policy

"stream" within this minor field. Limited funding may be provided for interdisciplinary thesis research on STS-related subjects, and appropriate requests for support will be considered.

Further information may be obtained by contacting the Program on Science, Technology, and Society, Cornell University, 628 Clark Hall, Ithaca, New York 14853.

## Undergraduate Research Program

Through this program, the College of Arts and Sciences encourages students to participate in faculty research and to design independent research projects. Students usually earn college credit for their work. Further information is available from the Office of Special Programs, 159 Goldwin Smith Hall.

## Women's Studies Program

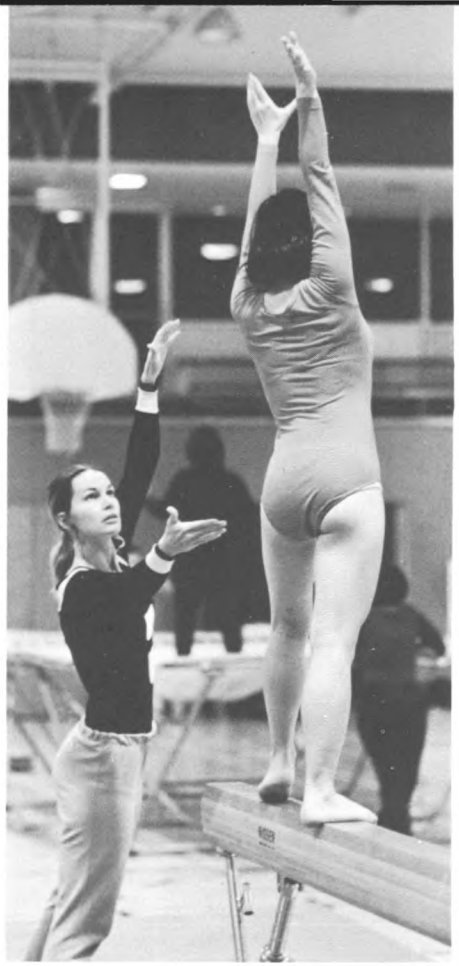
Women's studies, an interdisciplinary program in the College of Arts and Sciences, has three goals: to encourage the development of teaching about women, to expand research having to do with women, and to cooperate in public service activities with the extension divisions of Cornell University. Each term, the program offers undergraduate and graduate courses both independently and in cooperation with other departments.

In the past, course themes have included the social psychology of women; sex roles and linguistic behavior; women in antiquity; women in the American work force; women, social philosophy, and justice; the black woman in America; feminism and the Bible; the anthropology of women; black woman writers; women and politics; working women in nine countries; the hero and heroine in literature; the status of women, politics, and population growth; and an introductory course on women in America.

Although Cornell does not offer an undergraduate major or minor in women's studies, students are encouraged to develop expertise in the subject by choosing among the courses offered each term. A graduate minor in women's studies is possible for students seeking advanced degrees in related fields.

The program is guided by an executive board composed of professors from several of Cornell's schools and colleges. Elected representatives of the program's lecturers and students also serve on the board.

Informal presentations about current research are held Friday noons during the academic year. Faculty and graduate students minoring in women's studies also meet regularly in a proseminar which stimulates interdisciplinary work. Women and men from all academic divisions at Cornell are welcome in women's studies. A course list for the current term is available from Women's Studies Program, College of Arts and Sciences, Cornell University, 431 White Hall, Ithaca, New York 14853.



# University Requirement in Physical Education

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

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

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

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

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

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

The University requirements in physical education are met by four terms of satisfactory work in courses under the supervision of the Department of Physical Education. Publications describing the courses offered will be made available to entering students by the department.

Entering students who believe that they qualify for exemption from the requirements or for postponement of the satisfaction of them should present their cases to the appropriate member of the University Faculty Committee on Physical Education.

# University Libraries

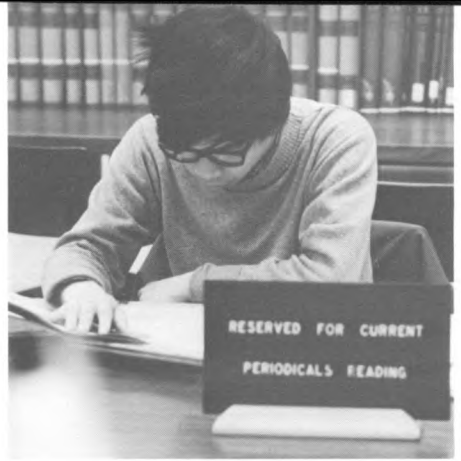
The Cornell University library system ranks in the top ten among major academic libraries in the United States. The system's eighteen libraries contain well over four and a quarter million volumes and currently subscribe to fifty-one thousand periodicals. Together they provide the facilities for research and study in hundreds of undergraduate major subject areas and in over eighty-five fields of study for advanced degrees.

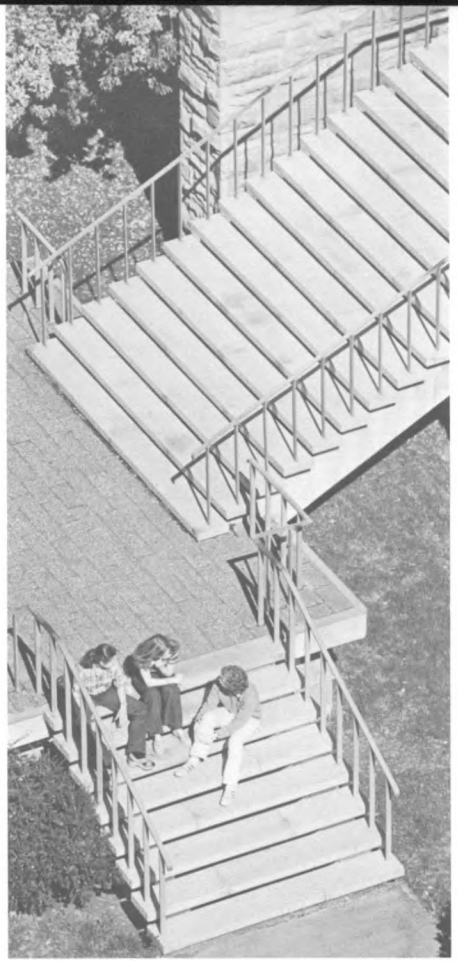
The central library, at the south end of the Arts Quadrangle, is composed of two parts. Uris Library, the building with the tower that has become the symbol of Cornell, is essentially an undergraduate library for students in the liberal arts. A principal aim of this library is to bring readers and books as close together as possible. Bookstacks are open to all, and only reserve books in heavy demand are held in a special category. There are listening rooms where students, singly or in groups, may hear recordings of the spoken word, and there is a lecture room with sound and projection capabilities.

Across the walk from Uris is the John M. Olin Library, devoted more specifically to graduate and faculty research. This closed-stack library houses many special collections of books and manuscripts, among them Rare Books, a collection on East and Southeast Asia, and another on the history of science, the archives of the University, maps, and newspapers.

The two libraries, Uris and Olin, complement each other in support of the University's program of teaching and scholarship. Besides this central facility, there is an extensive system of college, school, and department libraries. Chief among these are the Albert R. Mann Library, serving the Colleges of Agriculture and Life Sciences and Human Ecology; the Fine Arts Library, serving the College of Architecture, Art, and Planning; the libraries of the College of Engineering and the New York State College of Veterinary Medicine; and the libraries serving the Graduate School of Business and Public Administration, the Law School, the School of Hotel Administration, and the New York State School of Industrial and Labor Relations.

All of the libraries are open long hours, some of them until midnight. Many have special copying services, and some publish handbooks and bibliographies that are distributed without charge.



## Social and Cultural Activities

It is a difficult task to characterize the climate of extracurricular life at Cornell. As with many other things at the University, an appealing aspect is the diversity. For those at Cornell with interests in particular fields, there are more than three hundred organized groups that include both faculty and students in their membership. Among them are clubs for persons with similar academic interests or similar hobbies, local chapters of professional organizations, associations of students from other nations, and a number of national honorary societies that recognize achievement in scholarship and other fields of endeavor. If an interest group does not now exist, like-minded persons may readily establish such an organization.

### Music

Students who wish to participate in music making will find a wide range of opportunity through the Sage Chapel Choir, the Cornell Chorus, the University Glee Club, the University orchestras and bands, chamber music ensembles, the Opera Workshop, and other musical organizations.

The University Faculty Committee on Music sponsors programs by visiting soloists and major orchestras in the Bailey Hall Concert Series; string quartets and other groups in the Statler Series at Alice Statler Auditorium; and occasional operas, ballets, and special events. In addition, the Department of Music sponsors annually more than sixty free concerts and lectures by visiting artists or by Cornell faculty and students.

On the lighter side, the Cornell Concert Commission offers a series of student produced popular rock, folk, soul, and jazz concerts which recently has included such performers as Elton John, Stevie Wonder, and the Byrds. Informal concerts in the Commons, a coffeehouse in Anabel Taylor Hall, have featured local bluegrass and folk performers.

### Theatre Arts

Diverse dramatic productions are presented by Cornell students under the sponsorship and general supervision of the Department of Theatre Arts. Six of these productions are presented as a "season," which is scheduled in advance and for which open tryouts are held at the beginning of each semester. Other more informal productions are also scheduled throughout the year; invitations to participate in these productions are posted on the bulletin boards of Lincoln Hall. Productions are normally mounted in the facilities available in the University Theatre in Willard Straight Hall, the Drummond Studio in Lincoln Hall, and the Kaufmann Auditorium in Goldwin Smith Hall.

In addition to these theatre pieces, a series of dance programs is sponsored jointly by the Theatre Arts Department and the Department of Women's Physical Education.

Students are provided with filmmaking opportunities through the facilities of the Department of Theatre Arts.

## Art Exhibitions

Cornell is generously supplied with art exhibitions, some permanent and some temporary. The displays range from the works of students and visiting collections to the permanent University collection housed at the Herbert F. Johnson Museum of Art, one of the most exciting new additions to the Cornell campus. Other campus locations for art displays include the Art Room in the Straight, the Fine Arts Gallery in Sibley, and the galleries in Goldwin Smith Hall, Martha Van Rensselaer Hall, and Franklin Hall.

## Lectures

On the more academic side of audience entertainment, there is the lecture. Dozens of extracurricular lectures are given every week ranging from scholarly presentations on subjects of narrow interest, such as "The Comparative Biochemistry of Muscle Contraction," to well-known speakers with campuswide appeal, such as Ralph Nader or John Kenneth Galbraith.

## Films

Cornell does not disappoint the filmgoer. Throughout the year and on almost every night of the week, single film showings and film series make available educational and entertaining films at reduced rates. In addition, there are a half dozen commercial theatres in Ithaca itself, making movie going among the most popular leisure-time activities.

## Publications

Cornell students edit and publish a wide variety of publications, including a yearbook, the *Cornellian;* literary magazines; and a number of magazines relating to special fields of interest such as the *Cornell Engineer,* the *Cornell Countryman,* and the *Cornell Law Review.* Cornell students are in complete charge (writing, editing, business affairs, etc.) of the publication of the *Cornell Daily Sun,* an independent daily newspaper.

# Athletics

At Cornell athletics are designed to encourage the participation of every able and interested student, either in varsity sports or in the extensive intramural program. Cornell supports the largest intercollegiate athletic program for men and women in the country and belongs to the Ivy League. There is intercollegiate competition for men in the following sports: baseball, basketball, crew, 150-pound crew, cross-country, fencing, football, 150-pound football, golf, gymnastics, hockey, lacrosse, polo, rifle, sailing, skiing, soccer, squash, swimming, tennis, track, and wrestling.

Cornell fields eighteen intercollegiate women's teams, more than any other college

or university in New York State. The women's athletic program includes basketball, bowling, crew, cross-country, fencing, field hockey, golf, gymnastics, ice hockey, lacrosse, polo, sailing, skiing, swimming, synchronized swimming, tennis, track, and volleyball.

Needless to say, one can enjoy these intercollegiate athletic programs not only as a participant, but also as a spectator.

Cornell's extensive intramural program gives students the chance to exercise and enjoy whatever athletic skills and interests they may have. This program is one of the largest of its kind in the country, with an incredible variety that includes, for example, sailing, judo, broomstick polo, and horseshoes, in addition to more usual sports such as touch football and softball.

## Student Government

The University-wide body through which students have a voice in campus affairs is the newly established sixteen-member, elected Campus Council. This council provides a forum for debate of campus issues; investigates, examines, and holds open hearings on matters of University-wide interest; and has the authority to staff the judicial hearing boards and amend the Campus Code of Conduct and Statement of Students Rights.

In addition, there are smaller governing and coordinating bodies that have an important influence in determining University policies and practices. Such student participation is made possible through groups representing residence units (such as the Interfraternity Council and University residence halls councils), school and college groups (such as the Human Ecology Departmental Councils), and various special bodies (such as the Student Finance Commission).

## Fraternities and Sororities

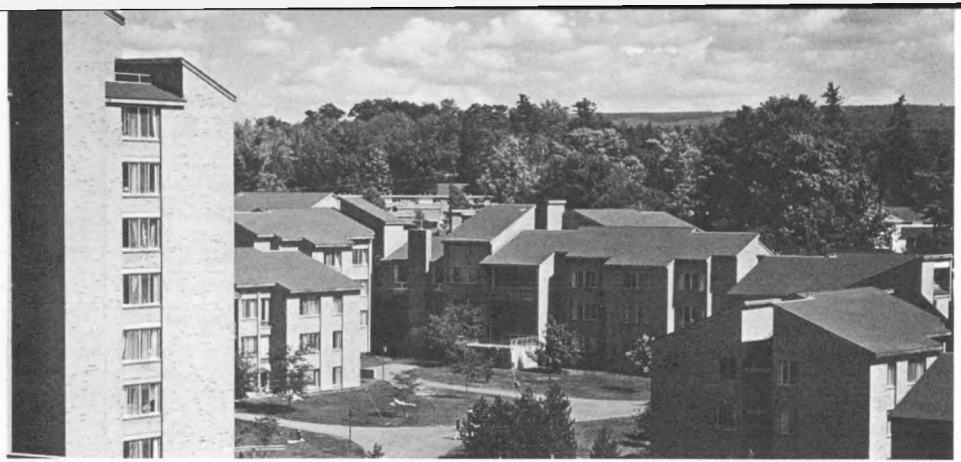
**Fraternities.** For many fraternity life is an integral part of the Cornell experience. There are presently forty-nine social fraternities at the University with about 2,200 or 30 percent of the male undergraduate student body as members. Each has its particular flavor and environment. With such a large system, one of the largest in the country, diversity is the key to its continuing growth. Students have the opportunity to choose the life-style that appeals to them, from a relatively small fraternity with seventeen members to one of over a hundred. The system is coordinated by the Interfraternity Council, a student-run board that oversees the many programs associated with fraternities.

**Sororities.** There are eight sororities on the Cornell campus, ranging in size from 23 to 105 members. Approximately 530, or 12 percent of the woman students at Cornell are members of these houses. They are an integral and important part of a campus that offers a wide variety of residential and social possibilities. The Cornell Panhellenic Council is the governing body of the sorority system and it coordinates the activities among the houses within the campus and community settings.

## University Unions

There are three University unions at Cornell: Willard Straight Hall, the oldest, the largest, and the most centrally located; Noyes Center, located in the west campus residential area on Stewart Avenue; and the North Campus Union, in the residence hall complex between Pleasant Grove and North Triphammer roads.

These unions serve as gathering points and centers for social, cultural, recreational, and educational activities for all Cornell students. A partial list of available union facilities includes large rooms for dances, receptions, and other social gatherings; a theatre; billiard and game rooms; craft shops with lessons in such skills as ceramics, weaving, metal craft, and printing; music listening rooms; meeting



rooms and offices for student organizations; and photographic darkrooms. Among the many special services available to students are a central ticket office, a painting and phonograph rental service, a duplicating service, and a travel office. All University unions contain a variety of dining services with a range that includes snack bar, cafeteria, private dining room, pub, and tavern.

Cornell University Unions also sponsors Cornell Cinema, the campus film program, the Cornell Concert Commission, which produces popular concerts, and the University Unions Program Board, which presents lectures, concerts, touring theatrical productions, and experimental classes.

General responsibility for determining policies and operating procedures for all union facilities and programs is in the hands of students. The services and activities support the educational objectives of the University, provide opportunities for personal relationships among members of the Cornell community, and fulfill the bequest of Willard Straight, whose objective was "the enrichment of the human contacts of student life."

## Religious Affairs

"Freedom for all; domination by none" is the guiding principle under which religious affairs have flourished at Cornell since 1869. Anabel Taylor Hall provides office and meeting facilities for the religious programs described below. A diverse staff of pastoral counselors and advisers, available day or night for consultation, may be reached through the information office, 118 Anabel Taylor Hall (telephone 256-4214). This office also has information concerning weekly religious convocations in Sage Chapel and worship opportunities in Anabel Taylor Hall and the local churches and synagogue. Anabel Taylor Hall is the headquarters for CIVITAS (Cornell-Ithaca-Volunteers-in-Training-and-Service), through which students provide many services to local and regional community agencies. The Commons, a coffeehouse in the building, provides a place for informal communication between faculty, staff, and students.

In 1977 the Department of Religious Affairs resumed the name **Cornell United Religious Work (CURW)** by which it was known from 1929 to 1970. Its thrust is threefold: denominational, interreligious, and nondenominational.

Member groups currently participating in CURW are these: A.M.E. Zion, Catholic, Christian Science, Episcopal, Evangelical, Friends, Jewish, Latter-day Saints, Lutheran, Muslim, Eastern Orthodox, Unitarian Universalist, United Ministry (Baptist, Disciples of Christ, Reformed, United Church of Christ, United Methodist, and United Presbyterian), and Wesley Foundation. (Several other religious organizations are active on campus and are registered with the Office of the Dean of Students.) The denominational programs offer daily/weekly opportunities for worship, study, pastoral care, retreats, recreation, and special projects and programs. As members of CURW, they share in support and leadership of interreligious programs and activities. Among these are the Sage Chapel Convoca-

tions, CIVITAS, Interreligious International Ministry (IRIM), noncredit courses, lectures, conferences, and involvement in varied services to the University community. The groups that engage in social service and social action programs do so as denominations, or in coalition, or through The Centre for Religion, Ethics, and Social Policy.

Closely associated with CURW but independent of it is the **Centre for Religion, Ethics, and Social Policy (CRESP),** which is the primary research/action component of religious affairs at Cornell and which is nondenominational in its make-up. It advocates a fundamental connection between spiritual vision and social practice and addresses concerns of human need and human potential. The scope of its work is revealed in the names of some of its programs and projects, all of which are open to both town and campus participation: Eco-Justice, Learning Web, Committee on U.S.-Latin America Relations, Death Education, Alternative Energy, Alternatives Library, and Public Interest Research Group. CRESP and CURW jointly sponsor the annual Thorp Lecture Series, bringing to the campus outstanding speakers in the field of theology and ethics.

The combined staffs and advisers of CURW, CRESP, and the denominations form a *collegium* which meets weekly in fellowship and study to enhance their service to the University community. Their work and their programs are independent but interrelated, built on cooperation without requiring compromise of basic religious tenets. The united work of CURW and CRESP is open to all persons, with or without religious affiliation.

## Motor Vehicles

Any student is permitted to have a motor vehicle at Cornell. Vehicle access to the central campus is tightly restricted, however, and in some residence hall areas available parking space is very limited. Questions about motor vehicles should be addressed to the Traffic Bureau, Cornell University, 115 Wait Avenue, Ithaca, New York 14853.

## Housing

Living arrangements at Cornell are flexible and students are permitted to live wherever they wish. Some students prefer to live on campus, just a few minutes away from classes, the libraries, an evening concert, a lecture, or a film. Others prefer to rent apartments and rooms in the Ithaca community or to live in sororities or fraternities adjacent to the campus.

### Residence Halls

The University provides numerous residence halls accommodating approximately 5,500 single undergraduate and graduate students. These residence halls offer substantial variety in size, style, and type of living arrangement provided. The kinds of accommodations available include single rooms, double rooms, triple rooms, suites of rooms, and a few apartments. Some halls are reserved for women or men while others are coeducational.

In addition to the larger halls, there are small units that provide an opportunity for co-

operative living arrangements for upperclass students, and there are also special residences reserved for students sharing a particular interest, such as ecology or the performing arts.

All the University's residence halls are more fully described in the booklet *Housing for Single Students,* which is mailed to candidates for admission upon notification of their acceptance to Cornell, along with an application form for University residence halls.

Most continuing students desiring space in University residence halls are accommodated, but because the demand for space usually exceeds the supply, acceptance to the University does not guarantee on-campus housing after the freshman year. Any entering student who wishes to live on campus is

urged to complete and return the housing application form and $25 fee as soon as notification of acceptance to the University has been received. This processing fee does not apply to room rental; it is nonrefundable unless the University is unable to offer a room assignment and its return is requested.

All freshmen applying for accommodations in residence halls are assured of an assignment. A freshman whose application is postmarked no later than May 15 is *guaranteed* an immediate room assignment. Freshman applications postmarked after that date will also be honored, although a room assignment may not be immediately available and a temporary assignment may be made in residence hall lounge space converted for student occupancy until a regular assignment can be made.

A limited amount of space has been reserved for transfer students. Prompt return of the residence hall application form is advised since transfer room assignments are made in the order in which these applications are received in the Housing Assignment Office.

Although some continuing students who apply for on-campus housing are able to obtain accommodations, the demand exceeds the number of spaces that remain after rooms have been set aside for freshmen and a percentage of the entering transfer students. For students unable to obtain University housing, a number of privately owned off-campus accommodations are available, as well as rooms in sororities and fraternities. Upon request, the off-campus housing adviser will provide assistance to any students seeking living quarters in Ithaca and the surrounding communities.

## Graduate Students

The University has two residence halls especially for graduate students. Application forms for graduate housing are not enclosed with notification of acceptance to the Graduate School. To obtain an application write to Housing Assignment Office, 223 Day Hall, Ithaca, New York 14853.

Forms should be returned promptly as assignment priority is established by the date of receipt of the application by the University.

## Law Students

The Charles Evans Hughes Residence Center is connected to Myron Taylor Hall, which houses the Law School. It provides facilities for 111 single law students, with dining facilities located in the same building. Matriculating law students will receive an application form with their acceptance letter from the Law School.

## Family Housing

Unfurnished apartments for 420 students and their families are available in three apartment developments: the Cornell Quarters, Pleasant Grove, and Hasbrouck Apartments. Requests for further information should be directed to Hasbrouck Housing Office, Pleasant Grove Road, Ithaca, New York 14850.

## Off-Campus Housing

Information on currently available off-campus housing is posted at the Off-Campus Housing Office, 223 Day Hall. Because changes of available accommodations occur daily, it is not practical to prepare lists for distribution by mail. If possible, a student should make at least one trip to Ithaca to look over the available apartments and houses before taking up residence.

Detailed information on all types of housing for students may be obtained by writing to the Off-Campus Housing Office, 223 Day Hall, Ithaca, New York 14853.

# Dining Services

Cornell University maintains dining services in ten locations—Willard Straight Hall, North Campus Union, Noyes Center, Balch Hall, Sage Hall, Hughes Hall, Noyes Lodge Pancake House, Risley Hall, the Statler Student Cafeteria, and the Dairy Bar. These facilities are open to all students on a cash or credit basis, whether or not they live in University residence halls or subscribe to a specific dining plan. The University has no formal dining requirements, allowing students the flexibility of eating when and where they choose.

For those students wishing to subscribe to a dining plan, the following options are offered:

**Co-op Dining Program,** prepaid each semester, is a convenient and unusually flexible program that allows students to eat all they want during specified times at four Co-op dining centers (Willard Straight Hall, Noyes Center, North Campus Union, and Sage Hall) at a savings. Students choose from eight available options the one that best suits their needs. Students do not need to be campus residents to participate in this plan. Additional information may be obtained from Cornell Dining, 233 Day Hall, Ithaca, New York 14853.

**Risley Dining Program,** prepaid each semester, is primarily for residents of Risley Hall but is open to all. Additional information is available from the student-member Risley Dining Committee at Risley Hall, and also from Cornell Dining, 233 Day Hall.

**Cornellcard,** a credit card for those who do not wish to pay cash for each meal or be on the Co-op Dining Plan, is honored by Cornell Dining. The Cornellcard program is administered by the Bursar's Office. Information is available from the Bursar's Office, 260 Day Hall.

The Department of Dining Services also operates two grocery stores on campus, the Pick-Up in Noyes Lodge Pancake House and the Mini-Pick-Up in Noyes Center. Also, major vending machine areas in Martha Van Rensselaer and Warren Halls and the veterinary college offer hot and cold food and drinks along with radar ovens for convenience in heating food.

# Student Services

## Office of the Dean of Students

The University, through the Office of the Dean of Students, maintains a staff of counselors and advisers available for personal conferences with both graduate and undergraduate students. The staff helps students with the routine problems that arise in the normal course of campus life and also more personal problems. It is the general University-wide office concerned with student life at Cornell. Referrals may be made to other professionally trained members of the University staff who are best qualified to be of specialized assistance for particular problems.

Responsible professional staff and student resident advisers who live in the various residence halls and small housing units are also staff members in the Office of the Dean of Students. Their rooms are located so that the staff is easily accessible to assist students with personal, academic, and social problems. The residence staff attempts to create an environment within the residence halls that encourages the personal development of the residents and is supportive of the educational mission of the University.

Staff members of the office assist student groups—student government organizations, fraternities, sororities, and peer counseling and extracurricular activity groups—with programs and policy. The office also coordinates programs for orienting new students to campus life and sponsors sex and drug education programs and special programs for married students.

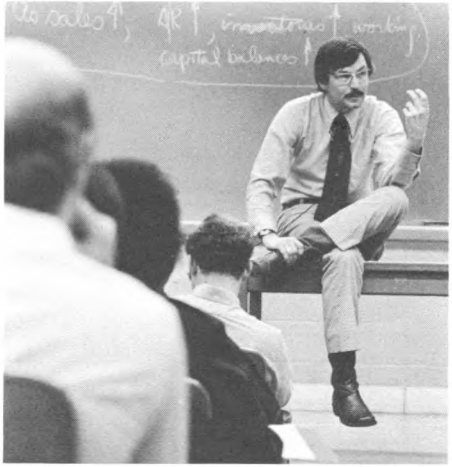
Staff members of the schools and colleges within the University also give special attention to the orientation of their students. They provide counselors and advisers to assist their students in all matters connected with courses of study and academic pursuits.

## Foreign Students

The University maintains an International Student Office. 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. Upon arrival at Cornell, foreign students are requested to report to the International Student Office, 200 Barnes Hall.

## Ombudsman

The Cornell University ombudsman and members of the staff hear and investigate complaints concerning the operation of any aspect of the University, especially complaints of injustice and abuse of power. The office is independent of the University administration and all groups on the campus. Any member of the Cornell community may file a complaint with the Ombudsman's Office at 201 Barnes Hall. The telephone number is 256-4321.



## Career Center

The Career Center, at the 14 East Avenue entrance of Sage Graduate Center, provides information on careers, employment opportunities, teacher placement, fellowships, and graduate study. It is also the center for information about summer opportunities, which include work, study, travel, and service projects. It serves as a clearinghouse for jobs in business, industry, and teaching. Applications for the Graduate Record Examination, law and business board examinations, among others, are on file there. Arrangements are made through the Career Center for recruiters from graduate schools and employing organizations to visit the campus every year. The Career Center publishes a weekly newsletter in the *Cornell Daily Sun* to keep the Cornell community informed about its activities. An alumni placement service is also operated at the center.

## Educational and Vocational Guidance

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

Students desiring assistance in the diagnosis of academic problems, selection of a curriculum, or determination of vocational goals may be referred to the University Guidance and Testing Center, 203 Barnes Hall, for an intensive program of testing and counseling.

## Reading-Study Center

The Reading-Study Center offers all students the opportunity to acquire and improve the reading and study skills that are essential for academic success. Each semester, numerous sections of three- and six-week noncredit courses in reading and study skills and instruction in the techniques of speed reading are offered. The staff of the center also assists individual students with their specific academic problems.

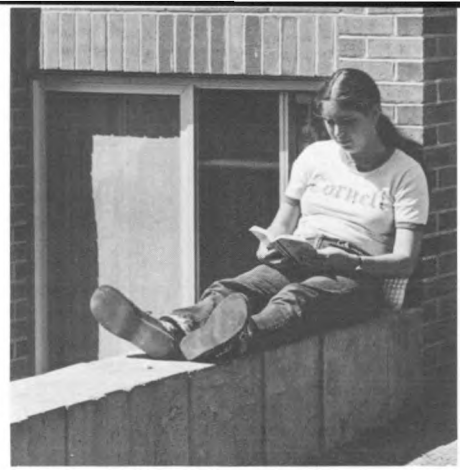
## Health Services

The following services are available at no expense to the student to all full-time students who have paid Cornell University tuition and who are in Ithaca:

1. unlimited visits to the Gannett Medical Clinic,
2. up to fourteen days of hospitalization each semester in Sage Infirmary,
3. ordinary laboratory and X-ray examinations as ordered by Health Service physicians,
4. counseling services at the clinic and in the Mental Health Section,

Expenses not covered by the University Health Services program are: visits to a private physician or health care facility without referral by the Health Services, house calls, hospitalization expenses except in Sage Infirmary, hospital charges and fees for surgical procedures, routine expenses for prenatal or obstetrical care, and expenses connected with illness or injury occurring (a) outside of Ithaca while in transit to and from college, on weekend trips, and on vacations away from Ithaca during the academic year and (b) during the summer unless enrolled as a summer student. Such expenses are covered by the Supplemental Accident and Health Insurance Plan (see below).

Outpatient care is centered in the Gannett Medical Clinic, 10 Central Avenue. Infirmary care is given in the Sage Infirmary located at Sage Place on East Seneca Street. The clinic and infirmary medical staff, under the supervision of the clinical director, consists of attending physicians from the University staff and of consulting physicians and surgeons in the various medical fields from Ithaca and vicinity.



## Supplementary Accident and Health Insurance Plan

Insurance at extra cost is available to supplement the services outlined above. For example, hospitalization in Sage Infirmary in excess of fourteen days a term, hospitalization and physicians' fees at Tompkins County Hospital when referral is made through the Health Services, and expenses for illness or accident outside Ithaca are covered. Unless students have other insurance to supplement medical services provided by the University Health Services, they are urged to take advantage of this plan. Information about this insurance may be obtained at the Gannett Medical Clinic, where a representative of the insurance company has an office.

A charge for this coverage will appear on each student's fall tuition bill. If coverage is not desired, the charge may be waived by completing a waiver card, which may be obtained at registration, at 260 Day Hall, or at the Gannett Clinic.

## Health Care Plan for Student Spouses

The University Health Services offers a Basic Medical Services Program (BMSP) for student spouses, on a fee-for-service basis, which is identical in benefits to the student health care outlined earlier. Most services are available at reduced cost to those who participate in the program. Contraceptive and obstetrical services are not included in this program, but other gynecological services are.

This BMSP is not to be confused with the Supplementary Accident and Health Insurance Plan for Cornell students and their dependents. The Supplementary Insurance Plan supplements basic health care by providing twelve-month insurance coverage for students and dependents over and above benefits of the Health Services, and by protecting the student or dependent when he or she is away from the Cornell campus.

Information and forms for the Basic Medical Services Program may be obtained by writing or visiting the University Health Services, Gannett Medical Clinic, Cornell University, 10 Central Avenue, Ithaca, New York 14853.

# Admission to Cornell

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Citizens of the United States or Canada, persons holding permanent resident visas or refugee visas from the United States, and landed immigrants of Canada seeking admission to an undergraduate school or college at Cornell should request application forms from the Office of Admissions, 410 Thurston Avenue, Ithaca, New York 14853.

Correspondence regarding entrance to the Graduate School, the Graduate School of Business and Public Administration, the Law School, the Medical College, the Graduate School of Medical Sciences, the School of Nursing, and the College of Veterinary Medicine should be addressed to the individual units.

*Foreign Students.* Any foreign national who does not hold a permanent resident visa or

refugee visa from the United States is defined by Cornell University as a foreign student. All foreign students (except Canadian citizens and landed immigrants of Canada) are prescreened to determine whether they meet the entrance requirements for the Cornell school or college in which they have an interest. Special preliminary applications are required for this purpose and can be obtained by writing the Assistant Director for Foreign Student Admissions, International Student Office, Cornell University, 200 Barnes Hall, Ithaca, New York 14853. These preliminary applications must be received thirty days before the date on which final applications are due. Applicants themselves may not determine whether they are foreign students since this is determined by their visa status.

## General Admission Policy

It is the policy of Cornell University actively to support equality of educational opportunity. No student shall be denied admission to the University or be discriminated against otherwise because of race, color, creed, religion, national or ethnic origin, or sex.

Each of the undergraduate schools and colleges is limited in the number of students it can accommodate. The number of qualified applicants for freshman and transfer admission exceeds the number that can be admitted. Candidates may submit only one application for a given semester and be considered for admission by only one undergraduate division at a time. Applicants compete only with those seeking admission to the same Cornell school or college. Each undergraduate unit has its own selection committee, admitting those who have best demonstrated they deserve acceptance. Those schools and colleges that focus on professional programs emphasize the selection of students who, having met all other qualifications, show the best evidence of being suited for the field of work to which the course of study is directed.

Choosing the undergraduate unit to which to apply is most important and should be given careful thought. Requirements for admission and graduation vary considerably from one division to another. These should be considered in relation to a student's abilities, interests, achievements, and academic and vocational goals. Secondary school counselors should be consulted and Cornell admissions officers are always ready to assist prospective applicants.

While students at Cornell do transfer from one undergraduate school or college to another after enrolling, such internal transfer cannot be guaranteed. Counseling help is available to those who find themselves in an inappropriate course of study and every effort is made to assist students in transferring within the University so they can satisfactorily complete an undergraduate program. Those who are unable to transfer directly from one Cornell school or college to another, but who appear to have a reasonable chance for academic success in another area of study, may be admitted to the Division of Unclassified Students for one or two semesters. Students in the division enroll in the same courses they would normally take if they were registered in the new academic unit while attempting to meet the transfer requirements of that school or college.

### Academic Competence

As an educational institution, Cornell University is devoted primarily to the intellectual development of its students. Those selected for admission must have demonstrated clearly the intellectual capacity to carry on the academic work and to profit from the instruction. Intellectual preparedness for study at Cornell is judged mainly by the candidate's secondary school record (and college record, if a transfer student), the recommendations of school authorities, and standardized college admissions tests.

## Extracurricular Activities

To supplement the basic requirement of demonstrated intellectual capability, evidence of the candidate's ability to make effective use of nonacademic capabilities is an important consideration in admissions decisions. This factor is judged by the character and quality of the student's participation in school and community extracurricular activities, and by the use made of vacation periods. Work experience or other activity related to the candidate's vocational or professional objective is also important.

## Character, Personality, and Motivation

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

## Geographical Distribution

Cornell University draws its students from all parts of the United States and more than ninety foreign countries. The University is proud of the cosmopolitan and diverse makeup of its student body. It believes in the educational values inherent in bringing to the campus persons of widely different backgrounds and directs its admissions policies to the furtherance of these objectives.

The undergraduate divisions supported by New York State—the College of Agriculture and Life Sciences, the College of Human Ecology, and the School of Industrial and Labor Relations—recognize these same values and encourage applications from well-qualified out-of-state students. Most of their candidates are, however, selected from among applicants who reside in New York State. The private divisions—the Colleges of Architecture, Art, and Planning; Arts and Sciences; and Engineering, and the School of Hotel Administration, impose no restrictions as to residence. In choosing from among candidates of approximately equal qualifications, some preference may be given to those whose homes are in areas not adequately represented in the student body.

## Children of Alumni

The University desires to include in the student body as many of the children of its alumni who are qualified for admission as existing admissions competition will allow. In choosing between candidates of approximately equal qualifications, including scholarship, extracurricular activities, character,

personality, and motivation, the son or daughter of an alumnus will receive preference in some divisions of the University. The Cornell relationship receives serious consideration by selection committees although the statutory units, because of their New York State affiliation, cannot weigh it as heavily as the endowed divisions.

## Admissions Conferences, Personal Interviews, and Tours of the University

Prospective students and their families are encouraged to visit the campus and to arrange for discussions with members of the faculty or admissions staff and in other ways to become familiar with the University. The University Office of Admissions and the undergraduate schools and colleges offer a variety of opportunities for group conferences and individual interviews. All individual interviews are by appointment. Interested students are encouraged to write or telephone suggesting a date and time, and alternates if possible, at least three weeks in advance of the date requested. Each undergraduate division arranges its own individual interviews and group meetings and students should communicate with the appointment secretary at the address or phone number listed for each school or college. Add to each address, Cornell University, Ithaca, New York 14853.

### University Group Admissions Conferences

These group sessions are designed especially for those who have limited knowledge about the University or who are unsure how their interests might best be accommodated by a Cornell undergraduate program. Conferences, which are open to students, parents, and other interested persons, include information on the admissions process, financial aid, educational programs, and campus facilities and also provide opportunity for questions and answers. Sessions normally last from forty-five minutes to one hour. They are held at the University Office of Admissions, 410 Thurston Avenue on Monday and Friday at 9:30 a.m. and 11:00 a.m.; Tuesday, Wednesday, and Thursday at 9:30 a.m.; and Saturday at 9:00 a.m. Those wishing to participate are encouraged to make appointments by writing the Office of Admissions or by telephoning 607/256-5241 a few days in advance of a visit, but appointments are not required. Parking is available at the office and arrangements for on-campus parking will be made for those wishing to visit other facilities.

### Required Individual Interviews

The College of Architecture, Art, and Planning and the Schools of Hotel Administration and Industrial and Labor Relations require personal individual interviews as a part of the application process.

*Architecture, Art, and Planning.* Candidates for admission or prospective applicants are encouraged to visit the campus in the fall of

the year before anticipated matriculation for the required interview. An on-campus interview is most desirable. In instances where applicants are unable to come to Ithaca, it may be possible to schedule an interview with a graduate of the College in the prospective student's area. Portfolios of work, if available, are requested by both the Department of Architecture and the Department of Art. These should be brought to the interview either in original form, copies, or slides. Examples of class assignments and/or independent work are acceptable. Interview arrangements may be made by contacting the Admissions Secretary, Sibley Hall, or calling 607/256-4376.

*Hotel Administration.* It is the responsibility of the prospective student to arrange for the required interview. On-campus interviews are strongly encouraged, but when a visit to the campus is impossible, arrangements can be made for interviews in other locations. Contacts with other representatives of the University do not substitute for the required individual interview arranged through the Admissions Office in the School of Hotel Administration. Appointments are made through the Admissions Secretary, Statler Hall; telephone 607/256-6376.

*Industrial and Labor Relations.* The School initiates correspondence directly with students about required interviews after they have applied for admission. Alumni interviews or informational visits to the School do not substitute for the formal interview. Arrangements for informational visits, generally scheduled on Monday or Friday afternoons, may be made by writing the Admissions Office, 101 Ives Hall, or calling 607/256-2221.

## Optional Individual Interviews and Group Sessions

The *College of Agriculture and Life Sciences* offers admissions conferences, either in small groups or individually, by prior appointment from May 1 to late December. Individual appointments for prospective freshmen and transfer applicants are available, as time allows, weekdays from 10:00 a.m. to 12:00 noon and 2:00 to 4:00 p.m. Group sessions are scheduled on Monday and Friday afternoons at 2:00 p.m. Transfer applicants are usually granted individual appointments to discuss their preparation for transfer. Appointments and conferences are not scheduled on Saturdays or University holidays. Address: 195 Roberts Hall; telephone 607/256-2036.

The *College of Arts and Sciences* offers two alternatives for meeting with representatives of the College. On Saturdays at 10:00 a.m., from September until mid-January (except holidays), an admissions group conference is held to accommodate those who visit the campus on weekends. Parents are invited to attend. The admissions representative and at least one student from the College discuss academic programs, admission requirements and procedures, and some aspects of student life on campus. Questions are welcomed. Guests are invited to take the campus tour following the conference. Personal interviews for prospective freshmen may be scheduled Monday through Friday from 9:00 a.m to 4:00 p.m., except from January 15 through May 1. Transfer applicants may arrange for interviews until mid-April. Address: 150 Rockefeller Hall; telephone 607/256-4833.

The *College of Engineering* highly recommends, but does not require, that prospective students visit the campus for a personal interview. Interview appointments are generally available from 9:00 a.m. to 12:00 noon and 1:00 to 4:00 p.m. on weekdays, and 9:00 to 11:30 a.m. on Saturdays according to the schedule below. Appointments for interviews are strongly recommended to assure the availability of an admissions staff member. Address: 221 Carpenter Hall; telephone 607/256-5008.

| *Dates* | *Interview Times* |
|---|---|
| Sept. 1-Feb. 1 and Apr. 15-June 1 | Any weekday and Saturday mornings, except official University holidays |
| Feb. 1-April 15 | Monday and Friday and Saturday mornings, except official University holidays |
| June 1-Sept. 1 | Weekdays only, except official University holidays |

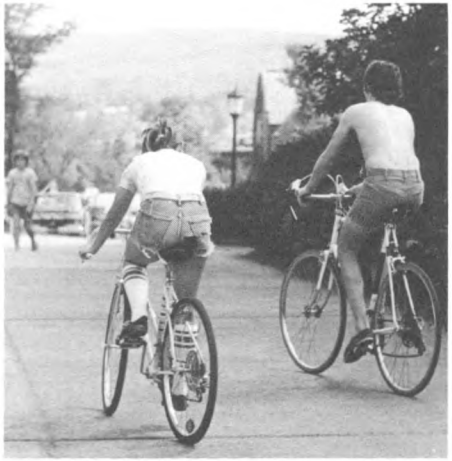
The *College of Human Ecology* schedules group meetings for interested students Monday and Friday at 10:30 a.m. and Monday through Friday at 3:00 p.m., except from January 1 through mid-April when sessions are held at 10:30 a.m. and 3:00 p.m. on Monday and Friday. Special group sessions for those interested in transfer admission are available at 2:00 p.m. Tuesday through Thursday, except for the period January 1 to mid-April. Group sessions are also available at 10:00 a.m. one Saturday each month from September through March. Meetings are conducted by an admissions counselor who is available to answer individual questions after each session. Address: N101 Van Rensselaer Hall; telephone 607/256-5471.

## University Campus Tours

University campus tours are conducted by student guides every day except University holidays.* The tours, which give a general orientation to the campus, leave the main lobby of Day Hall at the following times:

| | *Weekdays* | *Sat.* | *Sun.* |
|---|---|---|---|
| April 1-Oct. 31 | 11:15 a.m., 1:30 p.m. | 11:15 a.m. | 1:00 p.m. |
| Nov. 1-Mar. 31 | 1:30 p.m. | 11:15 a.m. | 1:00 p.m. |

* New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and the day after, and Christmas Day and the calendar days preceding and following it.



# Admission of Freshmen

## Applications

The application process is designed to gather efficiently necessary information about candidates for admission while affording applicants opportunity to describe themselves and their interests, achievements, and educational, vocational, and professional goals in some detail. Selection committees give careful and thoughtful consideration to each applicant, and the information supplied on the application forms is of critical importance.

*January 15, 1978* is the deadline for submitting Form 1 of the application for admission for all undergraduate schools and colleges and for financial aid applications. Since assembling complete records for all candidates takes considerable time, and the review of applications is a long and detailed process, prospective candidates are urged to request applications by December 1. Prompt return of completed materials is to the candidate's advantage.

*Subject and test requirements for each academic division are contained in a chart on pages 70-71. These requirements should be noted carefully.*

## Early Decision Plan

The Colleges of Agriculture and Life Sciences, Arts and Sciences, and Engineering and the School of Hotel Administration offer an Early Decision Plan to a limited number of highly qualified high school seniors whose college preference is Cornell. In addition to the regular application for admission, each applicant interested in early decision is required to submit an Early Decision Request form by November 1. This form accompanies each set of applications mailed by late October.

Candidates are notified of the University's decision, including financial aid, by the middle of December. Those not selected for early acceptance but who seem to be qualified for further consideration during the regular review process are notified that action on their applications has been postponed. The Scholastic Aptitude Test of the College Board (taken no later than November of the senior year), or the American College Testing Program Examination (taken no later than October of the senior year) is required. College Board Achievement Tests required by the Colleges of Arts and Sciences and Engineering do not have to be submitted for early decision review, but these requirements must be completed by accepted candidates before entrance. Early decision candidates whose applications are postponed for regular review must complete the required achievement tests no later than the January test date. A leaflet describing the Early Decision Plan is available from the University Office of Admissions.

## Early Admission

Each year a few students request consideration for admission after only three years of secondary school. Some of these students receive a high school diploma by completing all requirements in three years; others leave school lacking one or a few credits. Admissions committees will give serious consideration to those applicants who have exhausted the offerings of their secondary schools and who, in addition, give a clear indication of a level of maturity sufficient to make early college entrance desirable and appropriate. Those students who have the opportunity to take advanced, accelerated, or college-level courses during their fourth year in secondary school are usually encouraged to do so unless this action would inhibit the development of some academic strength.

Since there is variation from one Cornell division to another regarding early admission, a student applying as an early admission candidate is encouraged to write the school or college of his or her choice at Cornell or to make an appointment for an on-campus interview to discuss such plans and reasons for wishing to enter early.

## Selection Process and Notification

A committee in the school or college to which the candidate has applied selects those it considers most entitled to admission from among all who have applied to that division.

Four divisions of the University—the Colleges of Agriculture and Life Sciences, Engineering, and Human Ecology and the School of Hotel Administration—follow a policy of "rolling admissions." Decisions are reported to applicants over a period of time, with some letters going out as early as February 1, but with most of them mailed during March and the first half of April. The selection committee in each of these divisions must review a large number of applications and the fact that some applicants hear from Cornell considerably later than others simply may mean that consideration of their applications has been delayed by this time-consuming process. In short, one should not infer that relatively late notification is related to how Cornell regards the quality of the applicant.

Applicants for the Colleges of Architecture, Art, and Planning and Arts and Sciences and the School of Industrial and Labor Relations are advised of the outcome on the common notification date in mid-April.

Most financial aid notification announcements also are mailed on the mid-April common notification date to candidates for all divisions.

## Delayed Enrollment

Some students accepted for freshman admission may wish to delay their enrollment until the following year or later. This is usually permitted in all divisions except in the School of Hotel Administration, provided the student is committed to Cornell for entrance at a later time and will not be applying elsewhere. An accepted student who wishes to delay entrance should: (1) accept Cornell's admission offer by the stated date; (2) complete and return the registration fee coupons which come with an acceptance, along with the required $50 fee; and (3) explain in an accompanying letter reasons for requested enrollment delay and when entrance is desired.

If the request for delayed entrance is approved, the student will be guaranteed a place in the specified future freshman class.

## Spring Term Freshman Admission to Arts and Sciences

The College of Arts and Sciences offers admission to a limited number of freshman candidates for the spring term. Some of the spring term freshmen are selected from those on the waiting list for the previous fall term; they are notified of admission by July 1. Others are considered under a fall application and selection cycle. First-time applications for spring term admission must be submitted by November 1.

Spring term admission may be especially attractive to those who wish to defer college entrance for a semester to travel or work and to those eligible to graduate from high school at midyear and wish to enter college immediately as part of their plans for acceleration. (Students accepted for admission for the fall term wishing to defer entrance until spring should submit a written request within a few days after receiving an acceptance for admission.)

Freshmen accepted for the spring term who may have taken college-level work during the fall semester are requested to have course descriptions and official transcripts sent to the Records Office, College of Arts and Sciences, 144 Goldwin Smith Hall.

Admission of freshmen for the spring term is available only in the College of Arts and Sciences.

## Test Requirements for Admission

### College Entrance Examination Board Tests

Freshman candidates are urged to take the College Board Scholastic Aptitude Test no later than the December test date of the senior year and any required College Board Achievement Tests no later than the January test date for fall entrance. They must request the College Entrance Examination Board to send the official score report to Cornell University. Scores reported on school transcripts or in other ways are not acceptable.

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

### American College Testing Program Tests

All divisions will accept the results of the American College Testing Program as either a partial or a complete substitute for the College Entrance Examination Board Tests. (See p. 70-71 for detailed requirements.)

Candidates for fall entrance are urged to take the tests no later than the October test date of the senior year. Registration packets may be obtained from secondary schools or from the American College Testing Program, P.O. Box 168, Iowa City, Iowa 52240, or 216 Goddard Boulevard, King of Prussia, Pennsylvania 19406.

Candidates must ask the American College Testing Program to send the official score report to Cornell University. Scores reported on school transcripts or in other ways are not acceptable.

### New York State Regents Examinations

The Regents Examinations, prepared by the New York State Education Department, are not required by any division of the University.

They are particularly desired, however, of applicants from New York State who are candidates for admission to the College of Agriculture and Life Sciences or the School of Industrial and Labor Relations, and they are useful in the evaluation of candidates for the other divisions as well.

More detailed information regarding subjects, tests, and other requirements for each of the individual schools and colleges is contained in a chart on pages 70-71.

## Freshman Summer-Start Program

A special program is available for selected incoming Cornell freshmen who wish to begin their college careers in the summer. Designed to introduce the student to Cornell, the program consists of two courses in the six-week summer session, an academic skills component, and special social activities. Students live together in a dormitory with resident counselors, in a situation intended to provide informal association with faculty members. The advantages of the early start program are many and will vary from student to student: to adapt early to college life; to make friends and meet faculty in the informality and small classes of the summer session; to get a head start in a probable major; or to work toward an accelerated degree. The opportunity to study at Cornell while the campus is uncrowded and while the natural attractions of the Ithaca area are at their most inviting is an additional advantage.

For more detailed information write to Summer Session, Cornell University, 105 Day Hall, Ithaca, New York 14853.

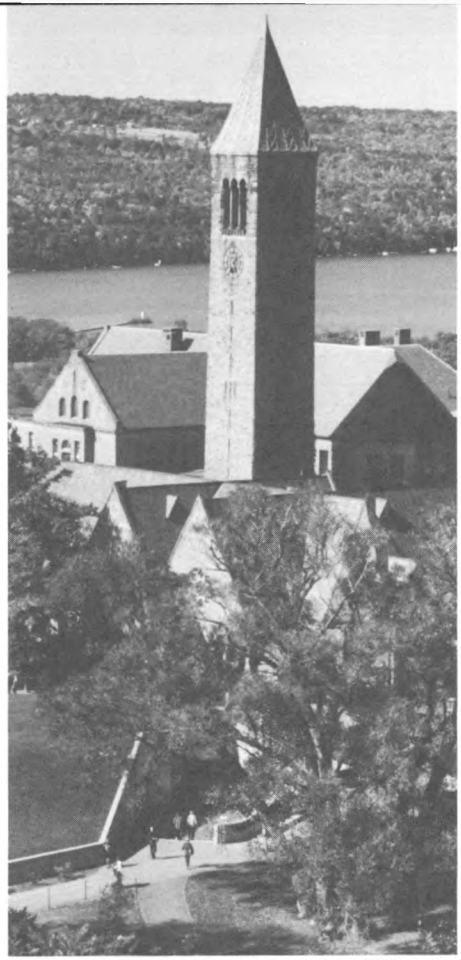
## Advanced Placement of Entering Freshmen

Entering freshmen may qualify for advanced placement or credit or both on the recommendation of the appropriate departments of instruction and with the approval of their school or college. Policies and procedures relating to the award of advanced placement and credit vary from one Cornell undergraduate school or college to another and students are advised to consult with a member of the admissions staff in the individual units for detailed information.

Results of examinations sponsored by the College Entrance Examination Board (the Advanced Placement Program and the College Level Examination Program), the United States Armed Forces Institute, and the New York State College Proficiency Examination are considered in recommending placement or credit. In addition, several Cornell departments offer their own examinations given on campus during Orientation Week.

Students may also qualify for credit based on previous college work completed at Cornell or elsewhere. Copies of transcripts and course descriptions should be sent to the appropriate school or college office at Cornell.

A leaflet describing advanced placement in greater detail is available from the Office of Admissions, Cornell University, 410 Thurston Avenue, Ithaca, New York 14853.



| | Secondary School Subjects | Standardized Tests |
|---|---|---|
| | | |
| **Agriculture and Life Sciences** | 16 units, including 4 units of English and 3 units of math | SAT or ACT results |
| **Architecture, Art, and Planning** | *Architecture:* 16 units, including 4 units of English, 4 units of math (including intermediate algebra, plane geometry, trigonometry), and 3 units of foreign language *or* satisfactory score on CEEB Achievement Test in a foreign language. (A deficiency in this requirement must be explained in a letter accompanying the application for admission. Students who enroll with a language deficiency must complete the requirement in college.)<br>*Art:* 16 units, including 4 units of English, 3 units of math, and 3 units of foreign language (as explained above) | SAT or ACT results |
| **Arts and Sciences** | 16 units, including 4 units of English, 3 units of math, and 3 units of one foreign language. (Deficiencies in subject requirements should be explained in a letter accompanying application for admission.) | SAT or ACT results *and* CEEB Achievement Test in either English composition or literature *and two other* CEEB Achievement Tests in different subjects |
| **Engineering** | 16 units, including 1 unit of chemistry, 1 unit of physics, and 4 units of math (to include 2 units of algebra, 1 unit of geometry, and 1 unit of a precalculus subject such as trigonometry) | SAT results *and* CEEB Achievement Tests in math (level I or II) and in chemistry or physics; *or* ACT results (Note: those who present results of the ACT are not required to submit CEEB Achievement Test results.) |
| **Hotel Administration** | 16 units, including 4 units of English, 3 units of math, and 1 unit of chemistry | SAT or ACT results for all whose native language is English; TOEFL (Test of English as a Foreign Language) required of nonnative speakers of English unless educated in English language schools. |
| **Human Ecology** | 16 units, including 4 units of English, 3 units of math, and 1 unit of biology, chemistry, or physics | SAT or ACT results |
| **Industrial and Labor Relations** | 16 units, including 4 units of English | SAT results *plus* CEEB Achievement Tests in English and math (level I or II); or ACT results (Note: those who present results of the ACT are not required to submit CEEB Achievement Test results.) |

| Additional Requirements | | Other Recommended Preparation or Tests | Special Admissions Options | Undergraduate Degree |
|---|---|---|---|---|
| *Interviews* | *Other* | | | |
| [Optional] | Must be 16 years old | 18 high school units, including 3 units of science (biology, chemistry, and physics) strongly recommended. New York State residents urged to submit Regents Examinations scores; those who take SATs urged to take CEEB Achievement Tests in 2 of: English composition, math, and science. | Early decision<br>*Early admission<br>Delayed enrollment | B.S. |
| Required; preferably on campus. Interview with a designated alumnus of the College may be substituted in some cases. An essay describing one's interest in the field required when an interview cannot be arranged. | | Portfolio of work done by applicant or slides thereof. 1 unit of high school physics recommended. | *Early admission<br>Delayed enrollment | B. Arch.<br>B.F.A.<br>B.S. |
| [Optional] | | CEEB Achievement Test in any foreign language to be continued for credit in college | Early decision<br>*Early admission<br>Delayed enrollment<br>Spring term admission of freshmen | A.B. |
| [Optional] | | 1 year of biology recommended for those interested in bioengineering | Early decision<br>*Early admission<br>Delayed enrollment | B.S. |
| Required; preferably on campus. Interview with a designated graduate of the School may be substituted in some cases. | | Additional math and science (especially physics), social studies, foreign language | Early decision<br>*Early admission | B.S. |
| [Optional] | | | *Early admission<br>Delayed enrollment | B.S. |
| Required | 500-word essay describing interest in ILR field. | | *Early admission<br>Delayed enrollment | B.S. |

*See notes on Early Admission, p. 66.

# Admission of Transfer Students

**Cornell Definition of a Transfer Candidate.** If at the time of proposed entrance to Cornell, a student no longer associated with a high school will have the equivalent of one semester or more of college work, that student is to be considered as a transfer candidate. (An exception is that a high school student who graduates at midyear and pursues a college program for the rest of that academic year will be considered as a *freshman* candidate, with consideration for advanced standing credit as appropriate, and the freshman application deadline applies.)

Students who have attended another college or university may apply for transfer to any of the undergraduate divisions at Cornell. A leaflet entitled *Transfer to Cornell* contains complete instructions and is included with the second part of the transfer application. Advance copies may be obtained upon request from the Office of Admissions, 410 Thurston Avenue, Ithaca, New York 14853.

Transfer applications are available from the Office of Admissions, 410 Thurston Avenue. Form 1 of the application must be returned by March 15 for transfer in September 1978. Candidates for transfer admission are encouraged to submit application materials well ahead of the deadline to allow sufficient time to gather and review credentials. Applicants for the *College of Architecture, Art, and Planning* should, wherever possible, apply by January 15 for fall term admission.

All divisions also consider transfer applications for the spring term with a deadline of November 1 for submitting Form 1 of the application. (Note: the *College of Architecture, Art, and Planning* will normally only consider candidates who have upperclass standing in professional architecture or art programs for spring term transfer.) Only the School of Hotel Administration considers foreign transfer applicants who are not currently studying in the United States for the spring term.

Engineering, Human Ecology, and Hotel Administration will consider transfer candidates for spring term admission even if they will have completed only one semester of college. Other divisions normally require completion of at least one year of college work for spring term transfer consideration although in rare instances Agriculture and Life Sciences, Arts and Sciences, and Industrial and Labor Relations will consider spring term candidates who will have only one semester of college work.

Each transfer applicant will be asked to furnish supplementary information including secondary school academic credentials. A standard secondary school report form will be sent to the applicant for transmittal to the high school. Individual interviews are required by the College of Architecture, Art, and Planning and the School of Hotel Administration. The School of Industrial and Labor Relations requires a 500-word essay and recommends, but does not require, an individual interview.

Transfer applicants also should be prepared to furnish transcripts of all work completed at the college level. For students wishing to be admitted in *September*, the transcript should include work taken the previous fall term plus a listing of courses being taken

during the spring term. For students wishing to be admitted in *January* (spring term), the transcript should include work taken through the previous summer, plus a listing of courses being taken during the fall term.

An admitted transfer student will be required to submit a transcript of all college work completed before entrance to Cornell.

Most transfer applicants are required to submit scores of the College Board or ACT examinations. For details consult the leaflet *Transfer to Cornell.*

Although students from community colleges and other two-year college programs may apply to any division of the University, the Colleges of Agriculture and Life Sciences, Engineering, and Human Ecology and the School of Industrial and Labor Relations paricularly encourage applicants from these programs. Students should write to the transfer selection committee heads of these divisions for information pertaining to admissions procedures, financial aid, and advanced standing.

## Special Students

Special students are those who enroll for one or more semesters and take a full program of studies as nondegree candidates. (Those interested in less than full academic programs should contact the Division of Extramural Studies, 105 Day Hall.) Each year most of Cornell's undergraduate schools and colleges admit a number of special students interested in attending the University on a short-term basis for a variety of reasons.

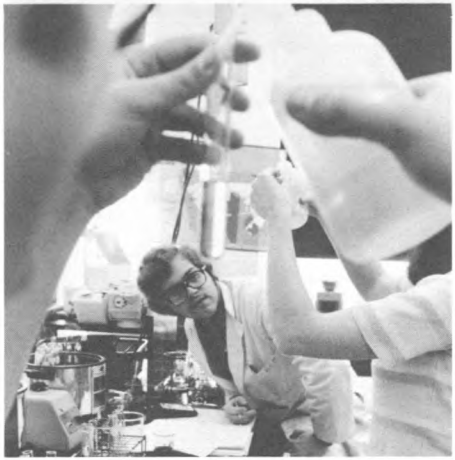
Many special students come to Cornell to study *in absentia* from other collegiate institutions and take courses offered here and not at their home colleges. Examples of special arrangements for such students are the "Junior Year at Cornell" in the College of Arts and Sciences and "Visiting Student" programs in Agriculture and Life Sciences and Industrial and Labor Relations.

It is also common for people already employed to study as special students to enhance career opportunities in current fields of work or to assist in changing careers. In some cases, students may use the special student category to make up deficiencies from previous undergraduate study in preparation for graduate or professional schools; however, the College of Agriculture and Life Sciences does not admit special students for preprofessional training in such areas as premedical, prelaw, and prevet.

Occasionally the special student category is used as a provisional acceptance to degree status, where a candidate may possess an unusually strong talent or experience related to an intended field of study but lacks the normal academic requirements for regular admission. This is especially true in the College of Architecture, Art, and Planning and in the School of Industrial and Labor Relations.

Each of Cornell's schools and colleges makes provisions for qualified enrolled special students to transfer to degree status. In no case, however, is transfer to a degree program automatic or guaranteed. Requirements and procedures for such transfer vary from one unit to another so those interested should consult the appropriate admissions representative.

A form requesting consideration as a special student must accompany the regular application form. This form may be obtained from the University Office of Admissions or from the individual school and college admission offices.



## Health Requirements

Each entering student (undergraduate or graduate) is expected to assume personal responsibility for fulfilling the following health requirements adopted by the Cornell University trustees. Permission to register will not be granted unless all health requirements have been fulfilled.

Each student is required to submit a health history and to have a medical examination or complete a detailed questionnaire. (This applies also to special students who must meet other medical and health requirements, such as physical education and military training.) A student accepted for admission will be sent forms to be filled out 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. If the medical history indicates a need, a student will be given an appointment to consult a physician at the clinic. When a student has been away from the University for more than a year, that student must, upon reentrance, submit an interim health history on a University form.

All undergraduate students are required to be properly immunized against tetanus. While not required, it is strongly recommended that graduate students also have proper tetanus immunization. The University Health Services will make available at the Gannett Clinic initial immunization and booster doses of tetanus toxiod at a nominal charge for those who are unable to obtain immunization at home.

## Special Opportunity Programs

Cornell University administers a variety of special opportunity programs designed to provide financial assistance and other forms of support to (1) minority students and (2) low-income students meeting program guidelines.

The emphasis of these special programs is to aid in increasing representation of students from minority groups present in New York State who historically have been underrepresented in higher education. However, participation is also available to those residing outside New York State. For details, prospective students should consult the *Guide for Candidates* which is a part of each undergraduate application packet.

Each year a limited number of students who, because of their economic and/or educational backgrounds, might not consider applying to Cornell are admitted. In these cases, criteria other than traditional academic standing and test scores are often weighted more heavily in admissions decisions. Such students are awarded financial assistance from the following public and University sources.

*Federal*—Economic Opportunity Grants (EOG)

*Federal*—College Work Study Program (CWSP)

*New York State*—Higher Education Opportunity Program (HEOP)—for those applying to private Cornell units

*New York State*—Educational Opportunity Programs (EOP)—for those applying to state-supported Cornell units

*Cornell*—Committee on Special Educational Projects (COSEP)

Financial aid programs are open to any student meeting aid program specifications. Federal programs assist those meeting specified economic guidelines whereas New York State programs assist state residents meeting both lower economic and lower educational guidelines. COSEP assists minority students,

particularly from minority groups in New York State that historically have been underrepresented in higher education. As the amount of financial need per student as calculated from the Parents' Confidential Statement (PCS) is high, most awards will consist of combinations of scholarship, loan, and job aid during a student's undergraduate years.

Candidates who believe they qualify and wish to be considered for financial aid under programs designed to assist low-income students should specifically apply for such consideration on the student aid application that accompanies the application for admission. They must be sure that the Cornell student aid application and Parents' Confidential Statement are submitted to the College Scholarship Service indicating Cornell as a recipient in addition to the application for admission.

Those who believe they qualify and wish to be considered for COSEP aid and services must request such consideration on Form 1 of the application for admission. Qualified applicants not electing COSEP assistance compete for admission and financial aid with the general applicant pool.

As available funding is limited under these special programs, those who most closely meet the guidelines will be selected. Because of limited resources and Cornell's close state tie, New York State residents have some degree of preference.

In addition to providing financial aid for minority students, COSEP, in conjunction with the individual Cornell colleges and schools,

provides services designed to promote a favorable initial campus adjustment, which has been found to be a principal determinant of college success. Applicants electing COSEP assistance participate in the following services:

**Summer Programs.** These are for applicants for whom prior preparation and academic goals indicate a particular need that can best be met by prefreshman six-week summer courses. Those expected to attend will be advised at the time of acceptance for admission.

**Special Orientation.** All program participants attend the special orientation (starting approximately one week before regular orientation) to receive a special briefing and introduction to the campus. Diagnostic testing also will be administered for purposes of course-load counseling for the fall.

**Tutorial Services and Developmental Courses.** At special orientation, all students will be advised of various academic services. Students will be assigned to these services depending upon individual academic needs and educational goals.

**Personal Services and Activities.** At special orientation all students will be informed of counseling and program activities sponsored by COSEP and the individual colleges and schools.

The support services described above, although available throughout the college career, are especially designed to assist and ease the student's adjustment during the first year.

# Expenses and Financial Assistance

Seventy percent of all Cornell undergraduates receive some form of financial aid from University, state, federal, or other sources. Over 50 percent receive Cornell allocated scholarships, jobs, and/or loans. The purpose of financial aid is to ensure that the University continues to make it possible for students of all degrees of financial capability to attend Cornell.

*No student should hesitate to apply for admission because of financial circumstances.* It is the University's goal to offer financial assistance to all freshman candidates accepted for admission to the extent of calculated need. Details of Cornell's financial aid program are included in each application packet.

Most students plan to finance their education through a combination of a contribution from parents, the student's own contribution from savings, assets, and earnings from summer and vacation employment, and, if need is demonstrated, by financial assistance. The total amount of aid awarded is based on remaining need determined by subtracting the total family contribution from the estimated cost of attendance. If the student is eligible for a scholarship, grant, or loan from a source other than Cornell University, the University subtracts the amount of this assistance from the estimated financial need and attempts to meet fully the remaining need.

Transfer students also may apply for financial aid, but competition for awards is keener than for freshman students.

Foreign transfer student applicants for financial aid will be considered only if they will have completed an Associate Degree by the time of anticipated enrollment.

**Table 1. Tuition**

| *College, School, or Division* | *Tuition for Academic Year 1977-78* |
|---|---|
| Agriculture and Life Sciences: | |
| Resident* | $1,950 |
| Nonresident | 3,050 |
| Architecture, Art, and Planning | 4,400 |
| Arts and Sciences | 4,400 |
| Engineering | 4,400 |
| Graduate School: | |
| with major field of study in an endowed division | 4,400 |
| with major field of study in Agriculture and Life Sciences, Human Ecology, or Industrial and Labor Relations | 2,200 |
| with major field of study in Veterinary Medicine | 2,800 |
| Graduate School of Business and Public Administration | |
| First-year student | 4,650 |
| Second-year student | 4,400 |
| Hotel Administration | 4,400 |
| Human Ecology: | |
| Resident* | $1,950 |
| Nonresident | 3,050 |
| Industrial and Labor Relations: | |
| Resident* | 1,950 |
| Nonresident | 3,050 |
| Law School | 4,375 |
| Medical College+ | 5,100 |
| Graduate School of Medical Sciences+ | 4,400 |
| School of Nursing+ | 3,000 |
| Summer Session (per credit hour) | 100 |
| Extramural (per credit hour) | 105 |
| Unclassified Students | 4,400 |
| Veterinary Medicine: | |
| Resident* | 2,800 |
| Nonresident, now enrolled | 3,650 |
| Nonresident, new student | 4,500 |

*A resident is a person whose domicile is in the state of New York at the time of registration for the term.
+In New York City.

**Table 2. 1977-78 Estimate of Living Costs and Personal Expenses**

| *Basic Living Costs* | |
|---|---|
| Registration fee (new students only) | $ 50 |
| Books and supplies* | 230 |
| Room and board+ | 2,020 |
| Personal expenses | 500 |
| | $2,800 plus travel |

*Students in the College of Architecture, Art, and Planning and upperclass students in the Department of Design and Environmental Analysis are allowed an additional $150.
+This allowance is for single students. Budgets for married students may be higher. New students who commute from their parent's home will have a room and board allowance of $1,010.

The total expense budget for a student includes tuition (Table 1), basic living costs (Table 2), and travel.

# Resources

Resources to meet the expense budget come from the family's contribution (parent and student) and various forms of financial aid (scholarships, grants, loans, and/or jobs) as explained below.

## Family Contribution

**Parent's Contribution**

The Office of Financial Aid uses the information provided in the Parents' Confidential Statement (PCS) or the Financial Aid Form (FAF) to determine a fair contribution from each family. It takes into account the family's income and assets, the number of dependents, educational and medical expenses, certain types of debt, and other factors. This office uses the federally required and approved computation guidelines of the College Scholarship Service. Parents are required to submit certified copies of their most recent federal income tax return to verify financial data reported on the Parents' Confidential Statement or Financial Aid Form.

**Student's Contribution**

The University expects all students to assist in meeting the cost of their education. A student's contribution includes earnings from summer and vacation employment, tuition benefits derived from parental employment at a university, social security and veterans' benefits, and a portion of personal savings and assets.

## Financial Aid

Cornell University offers a combination of gift (scholarship and grant) and self-help (loan and job) assistance. The financial aid package usually consists of a loan and job and, if need remains, a scholarship or grant. Self-help levels are reviewed annually and may be increased if funds are not available for gift assistance to meet increases in tuition and other expenses.

### Scholarships and Grants

Many students are eligible to receive a scholarship or grant from the University as well as from various federal and state programs.

The University budgets over $8 million for undergraduate scholarships. (In addition, there are other outside grants and scholarships as indicated in the next section.) The student applies for financial aid in general; the University matches the student to the most appropriate University or outside scholarship source.

The most prestigious award is the Cornell National Scholar. It is awarded to those with the most promise of academic excellence and the personal capacity to take advantage of and contribute to the Cornell community.

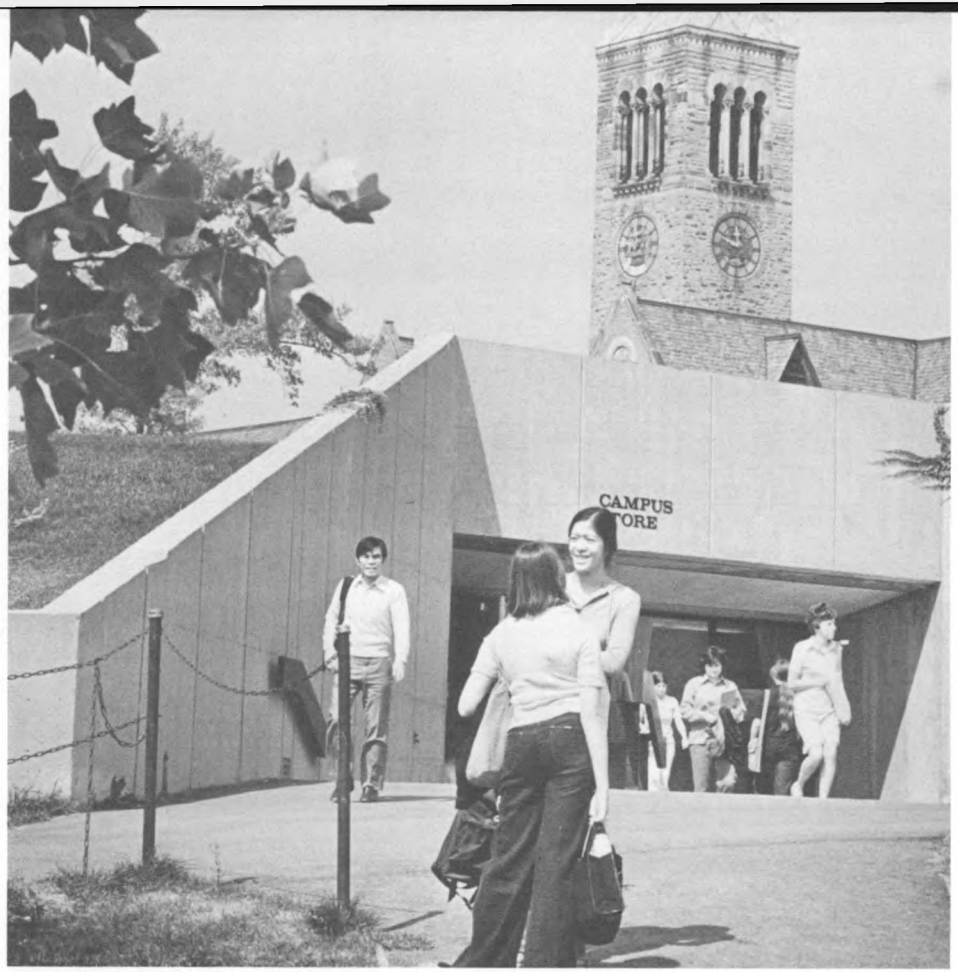
Other grant resources include:

**HEOP and EOP Grants.** These New York State grants are awarded by Cornell to educationally disadvantaged students from low-income families who, with special counseling and other supportive services from the University, show promise of success at Cornell. See page 74 for further information regarding this program.

**Supplemental Educational Opportunity Grants (SEOG).** These federal grants are awarded by Cornell to students demonstrating exceptional financial need and who would be financially unable to attend the University without this grant.

**Basic Educational Opportunity Grants (BEOG).** These federal grants, based on financial need, are awarded by the federal government. Cornell attempts to identify eligible students and includes an estimate of this award in the aid package. It is the student's responsibility to obtain a grant application from a high school guidance office, library, or college financial aid office and formally submit the application directly to the BEOG program. Financial information included on the BEOG application should accurately reflect data on income tax returns. Upon receiving an eligibility report from the BEOG program, the student should mail the report immediately to the Cornell Office of Financial Aid. If the actual award differs from the University's estimate, an adjustment in the amount of the difference will be made to Cornell-assigned financial aid.

**Regents Scholarships and Tuition Assistance Program (TAP).** New York State residents are eligible for state scholarship assistance. Prospective students should obtain an application for this award from high school guidance counselors and submit it to the New York Higher Educational Services Corporation, Student Financial Aid Section, Empire State Plaza, Tower Building, Albany, New York 12255.




**Other State Scholarship Programs.** Some states offer state scholarships for students who are attending institutions out of the state, and thus might be used at Cornell. Prospective students should consult their secondary school guidance counselor, state scholarship program office, or the Cornell Office of Financial Aid for further information about their state's programs.

### Loans

Several loan programs are available to assist students in meeting their financial needs. Students are not required to accept a loan in order to receive other types of aid.

**National Direct Student Loan (NDSL) Program.** These University loans are awarded to students in undergraduate, graduate, and professional programs and are intended for students who have substantial financial need. No interest is charged on this loan while the student continues in at least half-time study, but interest of 3 percent is charged beginning nine months after leaving school. Students have up to ten years to repay the loan after concluding study. Deferment of repayment is allowed for graduate work and for military, Peace Corps, and VISTA service. Up to 100 percent of the loan may be cancelled for a student who becomes a special education teacher or a teacher in an economically and culturally deprived area.

**Other Cornell University Loans.** Federally Insured Student Loans (FISL) are assigned to students who do not qualify for a National Direct Student Loan, live in states that do not have a state loan program, or are unable to obtain a FISL loan from a local lending institution. As the interest rates and repayment provisions for these loans are the same as those for state loans, see the state loan section below for this information.

**State Loans.** Twenty-seven states currently offer loan programs to students attending institutions in or out of the home state. Loans made under the state loan program normally carry an interest rate of 7 percent. If the student does not borrow more than the amount recommended by the University, the federal government will pay the interest until nine months after graduation or the termination of at least half-time study. At that time repayment of both interest and principal will begin. Deferrment of repayment may be permitted for graduate work and military, Peace Corps, and VISTA service.

If parents' adjusted income (bank officials can explain the term adjusted income) is less than $25,000, a student may be able to increase his or her loan by all or part of the amount of the total expected family contribution as identified in the award announcement. Parents interested in this option should so state in a letter attached to the loan application. Students are strongly encouraged to discuss the ramifications of this kind of borrowing with a financial aid counselor before borrowing more than the University recommends.

**Employment**

Cornell participates in the federally funded College Work Study Program. Job placement reaches to most areas of University activity. Every effort is made to refer students to positions compatible with their interests and qualifications, although such opportunities are not always available. Pay rates range from $2.30 to $3.50 per hour, depending on the skills required and employment experience. Students are paid once every two weeks for hours worked. Once students have earned the amount for which they are eligible, the federal regulations require that they be terminated from the program and they will be unable to continue this or other University employment without clearance from the Office of Financial Aid.

## Application for Financial Aid

A financial aid application is included with each application for admission. It is to be completed by each candidate who wishes to be considered for financial assistance. It will be necessary to submit a Parents' Confidential Statement (PCS) or a Financial Aid Form (FAF), obtainable from secondary school guidance offices or the Cornell Office of Financial Aid. The statement should be sent to the College Scholarship Service, Princeton, New Jersey 08540, by January 1, if possible, to allow for processing time. Later submission will jeopardize the possibility of being awarded assistance.

## Renewal in Subsequent Years

The financial aid package a student receives is for one year only, but is renewable for subsequent years upon application. Students who wish to renew their financial aid must reapply. Applications for renewal are available in the Office of Financial Aid in December of each year. Aid is normally continued through eight undergraduate semesters (ten semesters for students in the Department of Architecture) if financial need continues and normal progress towards a degree is maintained. Amounts of awards are based on annual review of criteria and regulations governing these awards and will vary according to the student's need level.

## Orientation Sessions

All incoming recipients of aid and their parents are encouraged to attend the financial aid orientation sessions included in the Cornell orientation program. Consult the orientation schedule for dates and times of the sessions.

## Financial Counseling Services

The University has a staff of financial aid advisers to answer questions about financing an education at Cornell. Students or parents who have questions about a financial aid package or who need assistance in budgeting should contact the Office of Financial Aid, 203 Day Hall.

# Other University Charges and Procedures

In addition to the charges listed in the tables on page 77, certain financial obligations should be carefully noted by students entering the Ithaca divisions of the University, and taken into account in their budget of expenses. Fees in the Medical College, the Graduate School of Medical Sciences, and the School of Nursing in New York City are listed in the *Announcements* of those divisions.

An application fee of $25 must be paid at the time an application for admission is submitted for any division. The fee is nonrefundable. Candidates accepted for admission to an undergraduate school or college at the University and who plan to enroll are required to pay a $50 registration fee by a date specified on the registration fee coupons which accompany the letter of acceptance. This fee is not applied to tuition charges and is not refundable after the stated due date.

## Payment of University Bills

The Bursar's Office mails statements at the beginning of each month to the home addresses of students who incur charges and to students who have amounts due the University.

Tuition and room charges are billed on a per-term basis approximately one month before the beginning of each term. Charges not billed on the first statement will appear on a subsequent monthly statement.

All charges are payable in full within twenty days of the billing date. Any amounts remaining unpaid, in whole or in part, after the due date of the statement on which the charges first appeared will be assessed a finance charge at the rate of 1 percent per month (12 percent annual interest rate).

Cornell University does not offer, and neither is it associated with, a plan for time payment of educational expenses. University charges may be paid at the convenience of the individual, subject to finance charges outlined above.

An individual who has outstanding indebtedness to the University will not be allowed to register or reregister in the University, receive a transcript of record, have academic credits certified, be granted a leave of absence, or receive a degree.

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

## Refunds

Part of the amount personally paid for tuition will be refunded if the student obtains an official certificate of Leave of Absence or Withdrawal at the office of the dean or director of the academic division involved. Students who terminate their registration in the University during a regular term in this manner will be charged tuition from the registration day to the effective date of the certificate as follows: first week, 10 percent; second week, 20 percent; third week, 30 percent; fourth week, 40 percent; fifth week, 60 percent; sixth week, 80 percent; seventh week, 100 percent; except that no charge will be made if the effective date is within the first six days, including registration day.

The University makes available tuition insurance which provides refunds in the event of leave of absence or withdrawal for medical or emotional reasons. Complete details regarding this coverage and applications accompany the August tuition bill.

The $25 application fee for University residence halls is nonrefundable except when lack of space prevents the offer of a room assignment. The $60 security deposit which guarantees a contract for a room in the residence halls is refundable, less damage charges, upon fulfillment of the contract.

Students participating in a prepaid dining plan who withdraw from the plan during a semester are eligible for a prorated refund based on the number of days the contract was in effect.

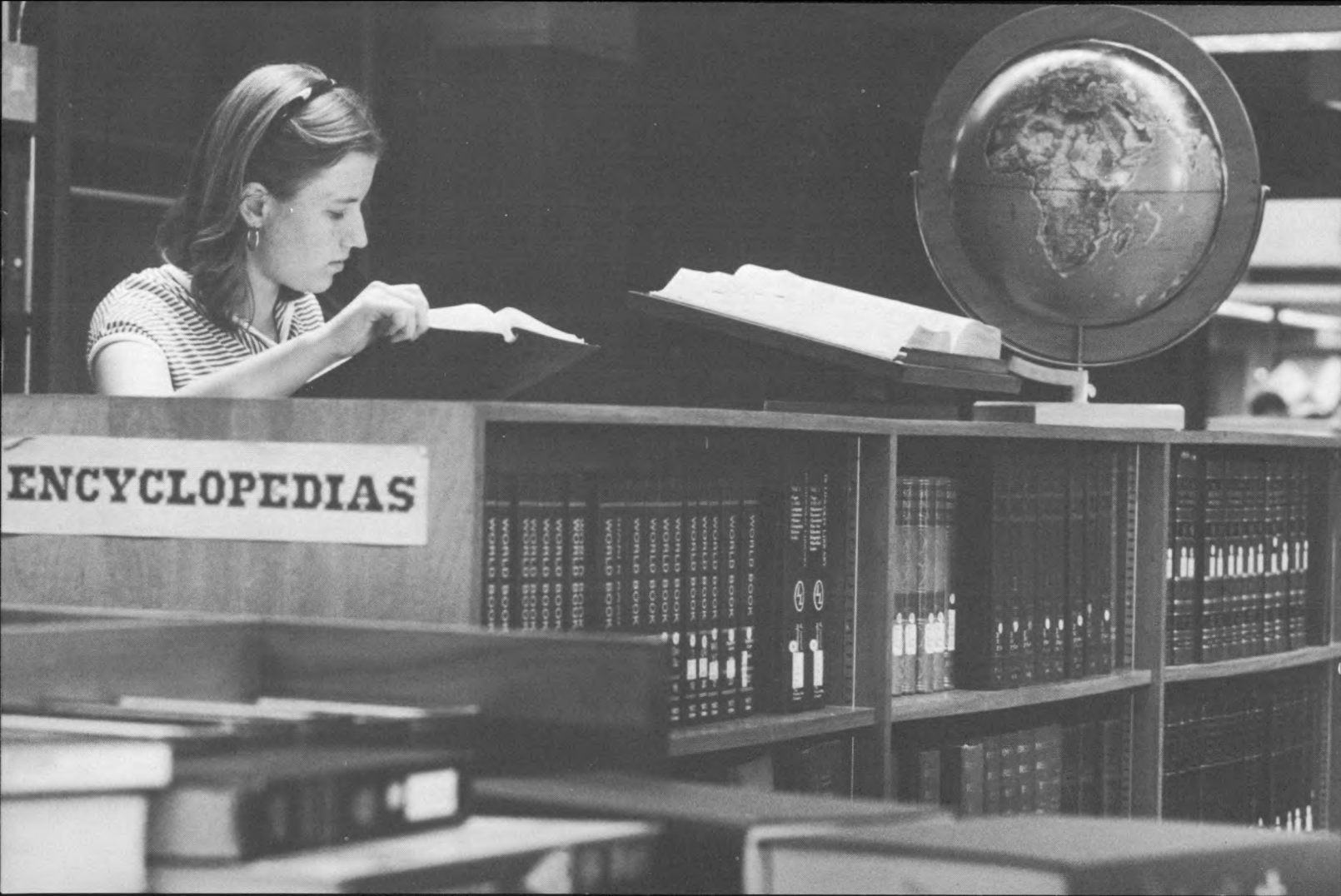
In addition to refunds for which students may be eligible, those receiving financial aid from the University who withdraw during a term will have their aid reevaluated, possibly necessitating repayment of a portion of aid received. Repayment to aid accounts depends on the type of aid received, government regulations, and the period of time in attendance. A partial semester will generally count as one of the eight semesters of financial aid eligibility normally allowed a student.

## Excess Hours Tuition

Students in the state-supported divisions who wish to take courses in the endowed divisions beyond the hours allowed free under the rules of those state-supported divisions, may be allowed to do so on payment for the additional hours of instruction at the rate of tuition in the college in which the instruction is given. Financial aid recipients can request additional loan or job assistance to cover such additional tuition.

## Special Fees

The following fees are imposed under certain conditions: late registration, $10; makeup examination, $10; late filing of study card, $10; late change of program, $10; failure to check out chemistry desk, $5; bad check fine, $10.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# Joint Statement on Common Admission Procedures

**Ivy Group Institutions**

The Ivy Group is a loosely-formed organization of colleges and universities. It was established in 1954 primarily for the purpose of fostering amateurism in athletics. Relations between the member institutions have grown over the years to the point where we now meet regularly (along with Massachusetts Institute of Technology) at a variety of levels to discuss topics which range from the purely academic to the purely athletic and from fundamental educational philosophy to procedures in admissions.

Each member institution has its own identity and character and protects its right to pursue its own educational objectives. Thus, although the Ivy Group institutions are similar in many respects, each member institution will continue to make its own independent admission decisions according to its own particular admission policy.

In recent years, however, it has become clear that the transition between secondary school and institutions of higher education has become increasingly complex and that greater efforts should be made to simplify the admission process through more uniform procedures. It is our hope that by outlining carefully the procedures under which we are operating and by clearly specifying not only what an applicant's obligations are to us but also what our obligations are to him or her, we can help students pursue their college interests free of unnecessary confusion and pressure.

**General Procedures**

All contacts with students by representatives of Ivy institutions are intended to provide assistance and information and should be free of any activity which could be construed as applying undue pressure on the candidate. *No information referring to the admission or financial-aid status of an applicant to an Ivy institution may be considered official or reliable unless it is received directly from that institution's admission or financial aid office.*

Ivy institutions mail admission decision letters twice annually, in mid-December and mid-April. Those who wish a decision in December must apply by November 1 and complete their applications with supporting materials shortly thereafter. The application deadline for mid-April notification is January 15.

**December Notification**

Under December notification an applicant may be notified that he or she has been granted or denied admission or that a final decision has been deferred until the mid-April notification date. Two plans are offered:

A. The College Entrance Examination Board-approved Early Decision Plan, which is offered by Columbia College, Cornell University (College of Arts and Sciences and some other units of the University), Dartmouth College, and the University of Pennsylvania, requires a prior commitment to matriculate. Financial aid awards for those qualifying for financial assistance will normally be announced in full detail at the same time as the admission decisions. An applicant receiving admission and an adequate financial award under the Early Decision Plan will be required to accept that offer of admission and withdraw all applications to other colleges or universities. All the Ivy institutions will honor any required commitment to matriculate which has been made to another college under this plan.

B. An Early Action Plan is offered by Brown University, Harvard University, Massachusetts Institute of Technology, Princeton University, and Yale University. This plan does not require a commitment to matriculate although it is hoped that a student will limit the number of applications submitted under the Early Action Plan. Those admitted candidates applying for financial aid and qualifying for financial assistance will not receive any information concerning financial aid awards until the mid-April common notification date.

*Students are urged to consult the admission literature available at each Ivy institution for details concerning their particular December Notification Plan.*

**Early Evaluation Procedure**

Beginning in January and continuing until March 1, participating institutions may advise an applicant of his or her chance of admission (e.g. "Likely," "Unlikely," "Possible," or "Insufficient Information for an Evaluation"). As these are merely tentative assessments, it should be clearly understood that no commitments are involved on the part of either the institution or the applicant. Any Ivy institution may also send out copies of its early evaluation notices to guidance counselors and to others involved in admission-related activities, such as faculty, alumni, and coaches, *but no final information about the admission or financial aid status of an applicant may be released to anyone until the common notification date in mid-April.* One major exception to this rule is that any Ivy institution may announce formal denials of admission to applicants at any time during the admission season.

**April Notification**

On a common date in mid-April, applicants to the Ivy institutions will be notified of admission decisions and financial aid awards.

**Financial Aid**

All the Ivy institutions follow the common policy that any financial aid will be awarded solely on the basis of demonstrated need. Moreover, in order to insure that financial awards to commonly admitted candidates are reasonably comparable, all of the Ivy institutions will continue to share financial aid information concerning admitted candidates in an annual "Ivy overlap" meeting just prior to the mid-April common notification date.

**Common Reply Date**

Except for those applicants admitted under the College Entrance Examination Board-approved Early Decision Plan, which requires a prior commitment to matriculate, no candidate admitted to any of the Ivy institutions will be requested to announce his or her decision to accept or decline an offer of admission until the common reply date of May 1. All such candidates may delay their commitment to attend until May 1 without prejudice.

**Participating Institutions**

Brown University
Columbia College
Cornell University
(College of Arts and Sciences)
Dartmouth College
Harvard and Radcliffe Colleges
Massachusetts Institute of Technology
Princeton University
University of Pennsylvania
Yale University

The University of Pennsylvania will announce formal admission decisions by December 15 for students attending high schools in the state of Pennsylvania who file applications by November 1. No such candidates, however, will be requested to make any commitment to the University of Pennsylvania before the May 1 common reply date.

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