

# CREATING THE FUTURE

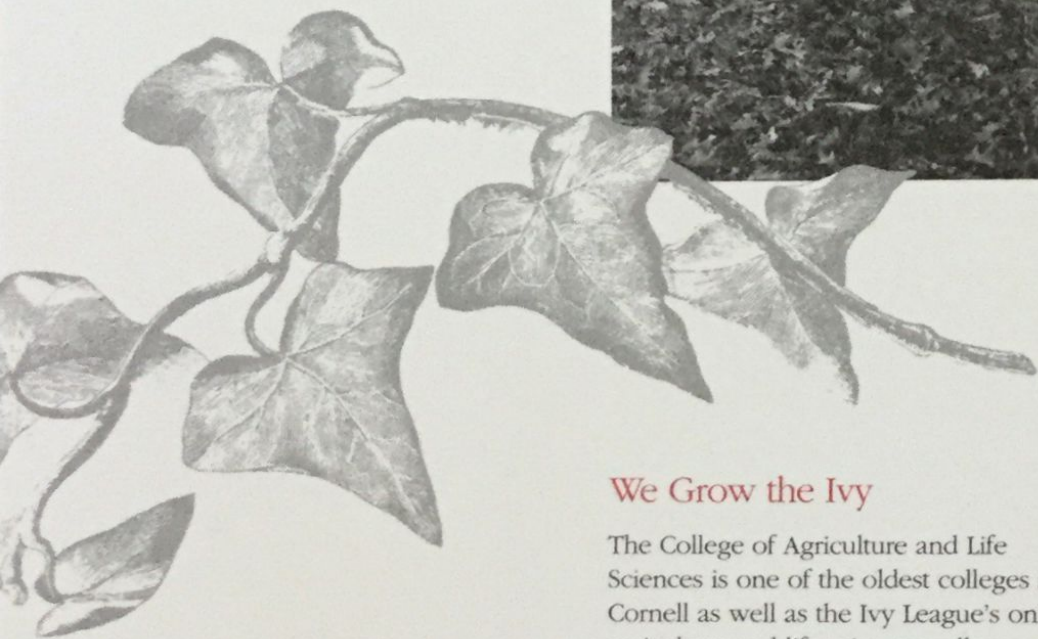
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*College of Agriculture and Life Sciences*



**CORNELL**  
UNIVERSITY





## We Grow the Ivy

The College of Agriculture and Life Sciences is one of the oldest colleges at Cornell as well as the Ivy League's only agriculture and life sciences college. Our slogan, "We Grow the Ivy," speaks of our pride in "growing" the tens of thousands of ALS alumni who have provided worldwide leadership to food and agriculture systems, science, communications, business, and environmental efforts for more than a century. In addition to developing human capital, we also "grow" the knowledge, the technologies, and the extension programs that will help our world thrive in the next century.

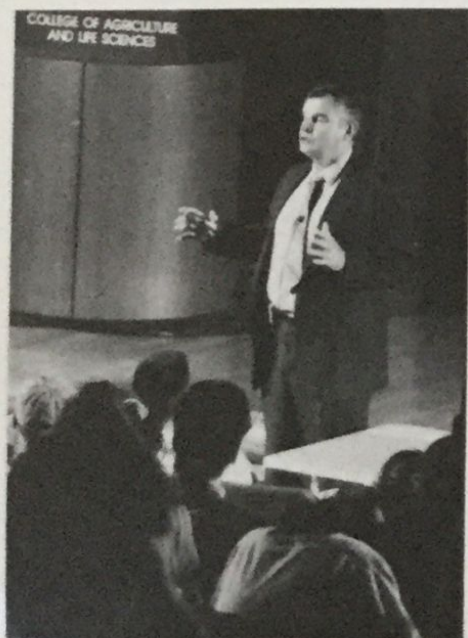
The continued success of the college depends not only on the excellence of our faculty and programs, but on the commitment of our alumni. Alumni and friends contribute the time, and the financial resources, needed to help the college reach its goals. With their help, the College of Agriculture and Life Sciences will continue to be at the forefront of the world's educational institutions.

## The ALS Mission

As part of Cornell, the land grant university of the State of New York, the College of Agriculture and Life Sciences has a three-part mission of teaching, research, and extension. We provide our students with the finest education possible. But we also have the responsibility to conduct research that illuminates the most pressing issues facing consumers, business people, educators, and agriculturists. This knowledge is then applied to Cornell Cooperative Extension programs that help individuals, families, businesses, and communities throughout New York State and the nation improve their lives and their livelihoods.

## A Global Focus

In the future the college will continue its traditional efforts on behalf of production agriculture. But we also face the challenges of an increasingly complex world. ALS scientists are at work confronting environmental issues, pursuing the vast potential of biotechnology, improving the safety and quality of our food, enhancing the well-being of rural communities, and exploring the benefits of technology transfer. The interdisciplinary efforts needed to solve today's complex problems demand a restructuring of existing programs and the development of new ones. Many of these resources





will be put to work helping Third World nations develop the policies and practices needed to feed their millions and contribute to a more prosperous and secure future. Indeed, the twenty-first century will see the college at work around the world.

## ALS Teaching

The College of Agriculture and Life Sciences provides its students with a diverse and exciting curriculum. They study the physical, biological, and social sciences; communication; and the humanities. Through their majors they can specialize in environmental science, communication, business management, landscape architecture, and nutrition as well as traditional agricultural subjects such as plant and animal sciences, farm management, and agricultural engineering. This broad education prepares them for a variety of careers in a rapidly changing world.

Undergraduates work with one of the best faculties in the world. Professors bring their research into the classroom, providing students with a real-world perspective. Students frequently have the opportunity to conduct their own research—a rarity at the undergraduate level. They participate in internship programs and have the opportunity to study overseas. This combination of the theoretical and the practical makes an ALS education doubly valuable.

ALS graduate students also reap the benefits of studying with the world's finest scholars and scientists. Their intimate involvement with faculty research prepares them for their roles as tomorrow's educators and scientific leaders. The college's former graduate students form a worldwide scientific and leadership group unrivaled by that of any other institution.

## ALS Research

The long history of cooperation between ALS scientists and the food and agriculture industry dates back to 1878, when Cornell's first agricultural experiment station was established. The basic and applied research resulting from this relationship has provided numerous benefits both to consumers and to domestic and international agriculture and food production. The micro-to-macro range of our research ensures that the work being carried out in the laboratory today will find practical use solving tomorrow's problems.

The college conducts research programs at the Ithaca campus and at the Agricultural Experiment Station at Geneva, New York. The Experiment Station concentrates on developing genetically improved fruit and vegetable crops, methods to grow these crops efficiently, integrated pest management practices that are environmentally sound, and procedures to produce processed products that are high quality and safe.

As the next century approaches, ALS has the responsibility of helping not only the people of New York State, but people around the nation and throughout the world. Several new initiatives will help us meet our goals.

The **Center for the Environment** coordinates the expertise of Cornell scientists from many disciplines in addressing worldwide natural resource concerns such as clean air and water, sustained soil and forest resources, biodiversity, and a healthy environment.

The **Cornell International Institute for Food, Agriculture, and Development** (CIIFAD) focuses on effective agricultural practices and policies in an effort to help developing nations create sustainable agricultural systems and productive rural communities and regions.

The **Cornell Food and Nutrition Policy Program**, developed and administered by the Division of Nutritional Sciences, studies food availability and nutritional outcomes in developing nations.

The **Cornell Biotechnology Program**, coordinated with the Division of Biological Sciences, examines the potential of genetic engineering to improve food supplies, food products, and medicines and to treat environmental damage.

## ALS Profile

Founded in 1868 with 30  
students enrolled in agricultural course work  
Second largest college at  
Cornell  
37,000 alumni on mailing list  
Undergraduates: 3,041\*  
Male: 1,535  
Female: 1,506  
Mean combined SAT: 1,250  
85% of our students graduated in the top 10% of their high school class  
Graduate Students: 1,160\*  
Male: 652  
Female: 508  
Faculty members: 430\*  
Largest undergraduate programs: Applied Economics and Business Management, Biological Sciences, Animal Science, Communication, Natural Resources, Agricultural and Biological Engineering

\* as of fall 1990





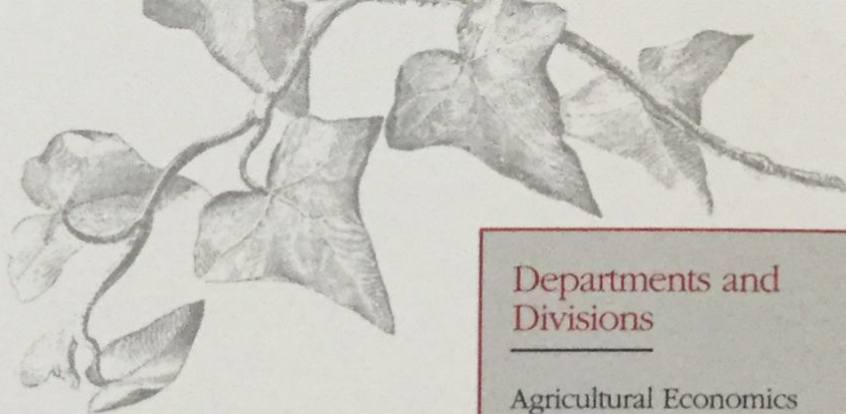
## ALS Extension

The Cornell Cooperative Extension System conveys ALS-generated knowledge to more than seven million people each year in New York State and beyond through educational programs that address the following statewide issues:

- agricultural competitiveness and profitability
- environmental protection and enhancement
- nutrition, health, and safety
- developing human potential
- economic viability
- individual, family, and community wellness

Extension programs help individuals and families improve their health and nutrition. They provide farmers, businesses, and industries with reliable information that helps them increase profitability and maintain competitiveness while enhancing the environment. They help communities develop the resources they need to increase their economic health and vitality.

**FarmNet** operates a toll-free, 800 number information and referral response program that provides a general safety net for farm families in times of business, family, or personal crisis resulting from financial stress.



### Integrated Pest Management

(IPM) targets contemporary environmental protection and food safety concerns by demonstrating and encouraging agricultural and urban/suburban pest management practices that reduce the need for chemical pesticides.

**Water quality** programs strengthen water resource management by helping rural and urban communities and their businesses and industries manage both the quality and quantity of their water supplies.

**4-H Youth-at-Risk** programs focus on preparing youth to make informed decisions about their lives by providing positive experiences, useful life skills, and increased self-esteem.

## Departments and Divisions

Agricultural Economics  
Agricultural and Biological Engineering  
Animal Science  
Biological Sciences  
Bailey Hortorium  
Biochemistry, Molecular and Cell Biology  
Ecology and Systematics  
Genetics and Development  
Microbiology  
Neurobiology and Behavior  
Physiology  
Plant Biology  
Communication  
Education  
Entomology (Ithaca and Geneva)  
Floriculture and Ornamental Horticulture  
Landscape Architecture  
Food Science  
Food Science and Technology (Geneva)  
Fruit and Vegetable Science  
Horticultural Science (Geneva)  
Natural Resources  
Nutritional Sciences  
Plant Breeding  
Biometrics Unit  
Plant Pathology (Ithaca and Geneva)  
Rural Sociology  
Soil, Crop, and Atmospheric Sciences

## For More Information

The College of Agriculture and Life Sciences welcomes inquiries from prospective students, corporations, foundations, individuals, and other colleges and universities. Our facilities are open to visitors who would like to learn more about the college and its programs. To arrange a visit or obtain more information, please contact the Office of the Dean, College of Agriculture and Life Sciences, 260 Roberts Hall, Cornell University, Ithaca, NY 14853. Phone (607) 255-2241.



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