

Climate change. Food security. Community vitality. Biodiversity. The issues that keep us up at night are why we get out of bed in the morning.

As one of the premier institutions of scientific learning, CALS is tackling the complex challenges of our time through purpose-driven science. We connect the life, agricultural, environmental, and social sciences to provide world-class education, spark unexpected discoveries, and inspire pioneering solutions. Because CALS is about making a difference. We want to leave the world better than we found it, so we seek out those not simply driven to master their discipline, but passionate about doing so to serve the public good.

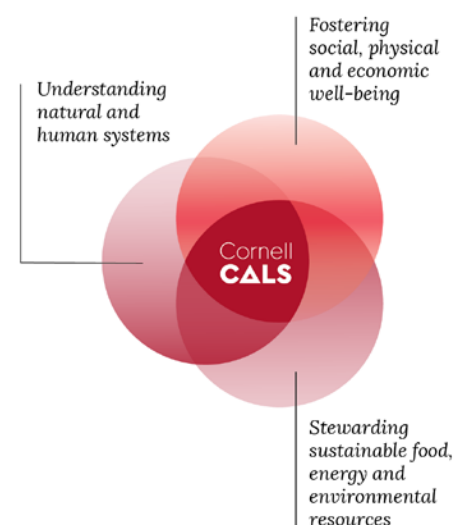
Since our founding, we have been evolving to meet the changing needs of our world. As our areas of study have broadened, we have established world-renowned programs and over 20 majors in community, human and rural development, environment and natural resources, food and nutrition, applied economics, agriculture, international programs, and life sciences.

A core piece of CALS is our collaborative mindset. We're home to a wide scope of disciplines because we believe that meaningful change requires a holistic, systems approach to problem-solving. We work across departments, using research, education, and public outreach to bring life-changing ideas from New York State to the world.

This is what an Ivy League experience should feel like – empowered to explore the boundaries of knowledge, supported by the leading minds of today, and surrounded by the leading minds of tomorrow.



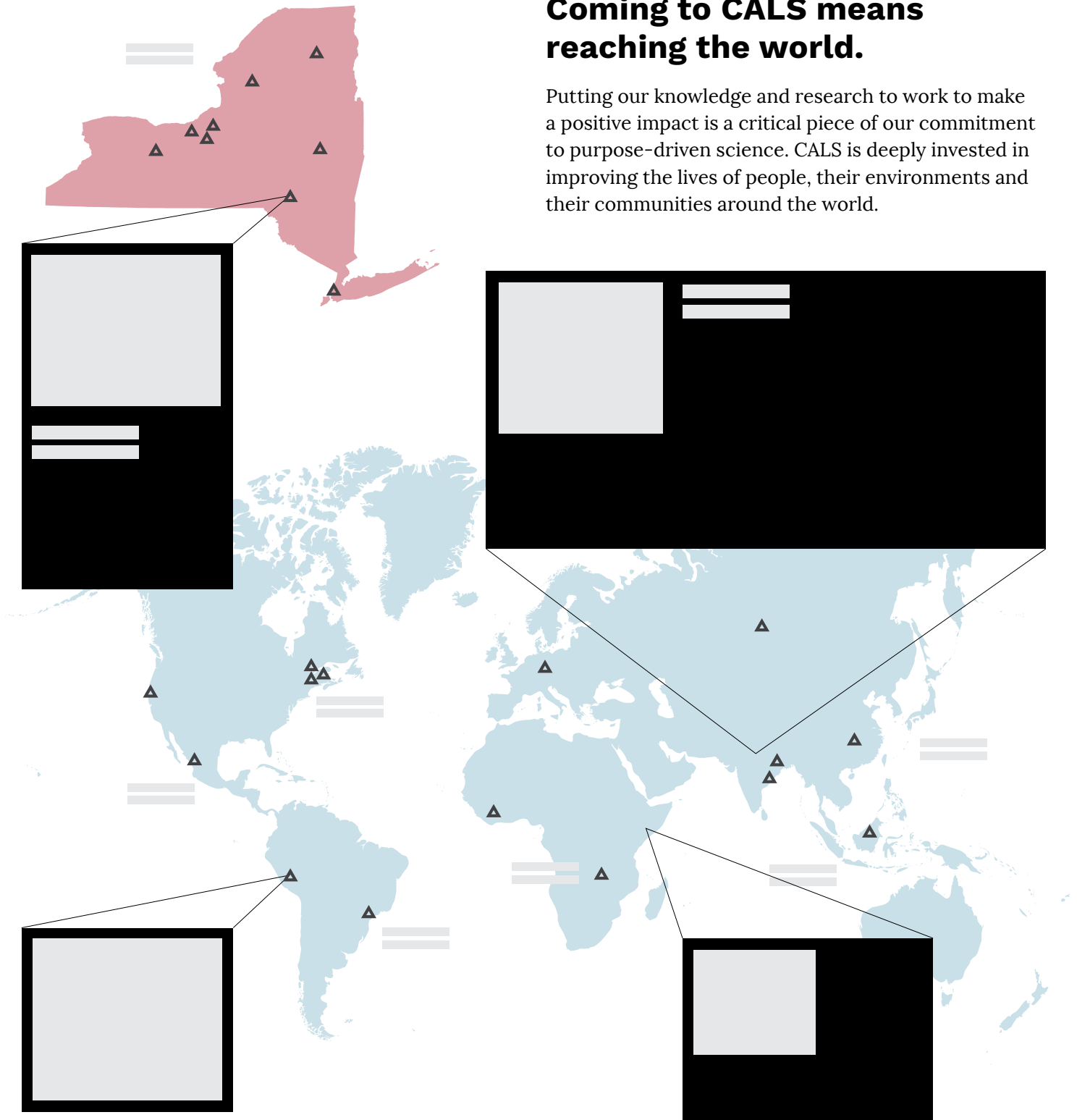
At CALS, we accelerate purpose-driven science by supporting inquiry that stretches from discovery to invention, and crosscuts different disciplinary boundaries. Today, we concentrate on three over-lapping spheres of inquiry:



PROGRAMS		PEOPLE			TUITION AND FEES 2017
22 Majors	31 Minors	3379 Undergraduates	337 Faculty	155 Post-doctoral academics	Undergraduate NYS resident: \$34,209 Non-resident \$50,953
14% admittance rate	across the life, agri-cultural, environmental, and social sciences.	887 Graduate students	307 Non-professional academics	1317 Staff	Graduate: \$20,800 Housing (average): \$8,274 Dining (average): \$5,626

Coming to CALS means reaching the world.

Putting our knowledge and research to work to make a positive impact is a critical piece of our commitment to purpose-driven science. CALS is deeply invested in improving the lives of people, their environments and their communities around the world.



MAJORS

Agricultural Sciences
Animal Science
Applied Economics and Management
Atmospheric Science
Biological Engineering
Biological Sciences
Biology and Society
Biometry and Statistics

Communication
Development Sociology
Entomology
Environmental Engineering
Environmental & Sustainability Sciences
Food Science
Global and Public Health Sciences
Information Science

Interdisciplinary Studies
International Agriculture & Rural
Development
Landscape Architecture
Nutritional Sciences
Plant Sciences
Science of Earth Systems
Viticulture and Enology

22 MAJORS

Agricultural Sciences

Get a broad overview of agriculture, as well as more intense study and hands-on experience in one of five concentrations: animal science; crop production and management; sustainable agriculture; applied economics and management; education and communication.

Animal Science

Prepare for study in veterinary medicine or careers in animal production, biotechnology, and conservation, in a program that has been nationally recognized in animal breeding and genetics, nutrition, physiology, growth, behavior, and management.

Applied Economics & Management

The Charles H. Dyson School of Applied Economics and Management provides management education and the opportunity to specialize in accounting, agribusiness management, applied economics, entrepreneurship, environmental and resource economics, finance, food industry management, international trade and development, marketing, or strategy.

Atmospheric Science

Examine the behavior of weather and climate, and gain experience in the analysis, interpretation, and forecasting of meteorological events.

Biological Engineering

Integrate engineering and biology to solve some of the challenges facing our world, such as ensuring an adequate and safe food supply, protecting natural resources, and developing systems that monitor, replace, or intervene in the mechanisms of living organisms.

Biological Sciences

Study the fundamentals of biology while concentrating on: animal physiology; biochemistry; computational biology; ecology & evolutionary biology; genetics & development; insect biology; marine biology; microbiology; molecular & cell biology; neurobiology & behavior; nutrition; plant biology; and systematics & biotic diversity.

Biology & Society

Examine the social, political, and ethical aspects of modern biology research and practice.

Biometry & Statistics

Apply statistics, mathematics, computing, and other methods to solve problems in diverse fields, from the life and social sciences to business and finance.

Communication

Study communication processes and put theory to use in understanding audiences, shaping messages, and interacting with individuals and technologies. Focus areas include: environment, science and health; media studies; information technologies; and social influence.

Development Sociology

Contribute to understanding societal development and factors to solve social problems, both local and global, in a program that is well known for international, domestic, rural, environmental, agricultural, and population studies.

Entomology

Get an education in biological and environmental sciences, with a special emphasis on insects—the most diverse group of organisms on Earth. The Department of Entomology was the first of its kind in the U.S., and remains one of the largest programs in the nation.

Environmental Engineering

Prepare for careers in the technical management of natural resources, including work in water, soil, and air quality, in a program that incorporates engineering and the study of the natural environment.

Environmental & Sustainability Sciences

Gain a comprehensive and integrated view of the biological, physical-chemical, ecological, and social dimensions of environmental and natural resource issues. Concentrations include: environmental biology & applied ecology; environmental policy & governance; environmental economics; biogeochemical sciences; or a student-designed concentration.

Food Science

Explore food systems from processing and packaging to distribution, evaluation, and safety, and solve real-world problems by combining chemistry, microbiology, nutrition, and engineering. Focus on food science or food operations and management.

Global and Public Health Sciences

Explore multidisciplinary solutions for population-level health issues, with a focus on disease prevention and health promotion, epidemiology and biostatistics, and resource-challenged environments.

Information Science

Examine the cultural, economic, historical, legal, and political contexts in which information systems are employed and understand their impact on individuals and institutions. Areas of study include: human-centered systems; social systems; and, information systems.

International Agriculture & Rural Development

Learn about the challenges and opportunities that exist in less-developed countries, with concentrations in economics and development, agricultural food systems, and environment and ecosystems. Overseas experiences and studies are incorporated into the major.

Landscape Architecture

Design outdoor areas including parks, restored wetlands, urban plazas, historic sites, and botanical gardens. Also work in urban development, land use planning, conservation, historic preservation and ecological designs.

Nutritional Sciences

Understand relationships among human health and well-being, food and lifestyle patterns, food quality and agricultural systems, and social and institutional environments, while drawing on chemistry, biology, and social sciences. Focus on: human nutrition; community nutrition; international nutrition; and molecular nutrition.

Plant Sciences

Study the biology, growth and development of plants, as well as the use of plants for food, fiber and ornamental purposes. Concentrations include: evolution, systematics and ecology; plants and human health; plant genetics and breeding; plant physiology and molecular biology; and sustainable plant production and landscape management.

Science of Earth Systems

Build the foundation for the future management of our planet by studying the Earth's system, with a focus on understanding and managing the resources of the lithosphere, biosphere, hydrosphere, and atmosphere.

Viticulture & Enology

Prepare to become a leader in the wine industry. The program includes coursework in winemaking, vineyard development, economics, and management.

15 DEPARTMENTS

Animal Science

Economics and Management

Biological and Environmental Engineering

Biological Statistics and Computational

Biology

Communication

Development Sociology

Earth and Atmospheric Sciences

Ecology and Evolutionary Biology

Entomology

Food Science

Landscape Architecture

Microbiology

Molecular Biology and Genetics

Natural Resources

Neurobiology and Behavior

Nutritional Sciences

2 SCHOOLS

Charles H. Dyson School of Applied

School of Integrative Plant Science

UNITS & PROGRAMS

American Indian and Indigenous Studies Program

Community and Regional Development Institute

The Cornell Lab of Ornithology

Cornell Botanic Gardens

Cornell Teacher Education Program

International Programs

Shoals Marine Laboratory