

# FACTS ABOUT CALs ACADEMIC PROGRAMS

AUGUST 2016

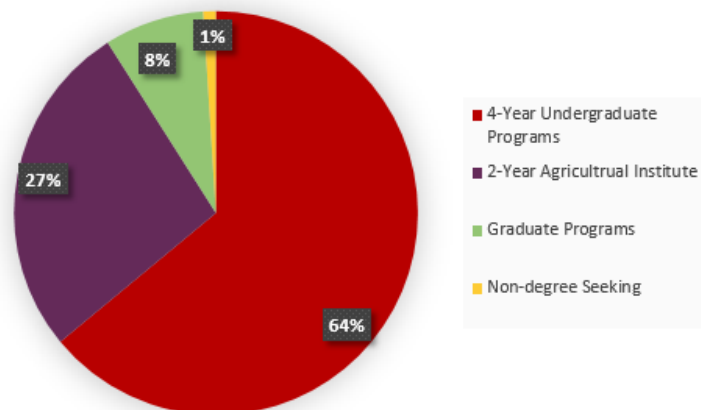
[cals.ncsu.edu](http://cals.ncsu.edu)

**NC STATE  
UNIVERSITY**

**College of Agriculture  
and Life Sciences**

## Students

3,831 total CALs Students



## Programs and Initiatives

4 Systems comprised of 16 departments, 18 undergraduate majors, 19 minors, 25 graduate programs, 18 certificates, and AGI offering 6 two-year programs

- > Awarded over \$1,000,000 in scholarships and fellowships for the 2016 - 17 academic year
- > ASPIRE and STEAM programs designed to promote rural access to agricultural programs
- > Pre-professional advising and support for students interested in health fields (HealthPAC) and animal medicine (VetPAC)
- > More than 300 distance education courses
- > Enrichment programs including the CALs honors program, undergraduate research, teaching opportunities, study abroad, and multicultural programming
- > 40+ student clubs and organizations for professional, personal, and leadership development
- > Modern classrooms and labs with state-of-the-art scientific and display equipment
- > Hands-on learning facilities including farms and field labs
- > Annual Career Expo featuring North Carolina companies
- > Academic advising team dedicated to student success

## Faculty

- > 5 current members of the National Academy of Sciences
- > Many outstanding faculty with joint appointments in research and extension
- > Numerous winners of Alumni Distinguished Graduate, Board of Governors, Outstanding Undergraduate Teacher, and Outstanding Advisor awards

## Rankings

- > #1 Return on investment among NC public universities
- > #3 College of Veterinary Medicine in the nation
- > #4 Best Value nationally among public universities
- > #9 Biological and Ag Engineering undergraduate program
- > #10 Biological and Ag Engineering graduate program
- > #38 Best Global University in Agricultural Science

## Careers

**Dedicated Career Services office to prepare and connect students with employers**

- > Upon graduation, 43% of students held full-time jobs and 27% of graduates were pursuing graduate or professional school
- > 3,321 internship and job opportunities for CALs students and graduates posted on the NCSU ePACK recruiting system during the 2015-16 academic year
- > Average first year income of \$38,393 (includes internship reporting which is traditionally unpaid or very low)

## Partnerships

**Collaboration with other colleges at NC State to offer interdisciplinary degree programs and educational opportunities include:**

- > WISE (Women in Science & Engineering living/learning community)
- > Vet School 3+1 Program (accelerated B.S./DVM)
- > Biological and Agricultural Engineering
- > Food Animal Scholars Program
- > Natural Resources Soil Science majors
- > Life Sciences First Year Program
- > Thomas Jefferson Scholars Program

**Additionally, CALs works in partnership with the community and state via:**

- > Business collaborations for internships, identifying high-demand employee skills, on-campus interviews, and employment information
- > Articulation Agreements with North Carolina community colleges for a 2+2 transition into various CALs majors
- > Alliances with North Carolina's Agricultural Teachers Association
- > Plant Sciences Initiative partners with the NC Department of Agriculture & Consumer Services to support economic and agricultural growth in North Carolina

For more information check our website at [www.cals.ncsu.edu](http://www.cals.ncsu.edu) or send an email to [cals\\_programs@ncsu.edu](mailto:cals_programs@ncsu.edu)

# EDUCATIONAL OPPORTUNITIES IN CALS

## Undergraduate Programs

Agricultural Business Management  
Biological Science Concentration  
Agricultural Education  
Agricultural Business Concentration  
Agricultural Engineering Tech Con.  
Agronomy Concentration  
Animal Science Concentration  
Horticultural Science Concentration  
Poultry Science Concentration  
Natural Resources Concentration  
Agricultural and Environmental Technology  
Agricultural Systems Mgmt. Con.  
Environmental Systems Mgmt. Con.  
Agricultural Science  
Animal Science  
Industry Concentration  
Science Concentration  
Veterinary Bioscience Concentration  
Biochemistry\*\*

Biological Engineering  
Agricultural Engineering Concentration  
Environmental Engineering Con.  
Bioprocessing Engineering Con.  
Bioprocessing Science  
Extension Education  
Agricultural & Natural Resources Con.  
Youth Leadership Development Con.  
Food Science  
Science Concentration  
Technology Concentration  
Horticultural Science  
Science Concentration  
Technology, General Horticulture Con.  
Technology, Landscape Design Con.  
Natural Resources  
Soil & Water Systems Concentration  
Soil Resources Concentration

Nutrition Science\*\*  
Applied Nutrition Concentration  
Plant and Soil Science  
Agroecology Concentration  
Agronomic Business Concentration  
Agronomic Science Concentration  
Crop Biotechnology Concentration  
Crop Production Concentration  
Soil Sciences Concentration  
Plant Biology\*\*  
Poultry Science  
Science Concentration  
Technology Concentration  
Soil and Land Development  
Land Development Concentration  
Soil Science Concentration  
Turfgrass Science

## Undergraduate Minors

Agricultural Business Management\*  
Agricultural and Environmental Technology  
Agroecology  
Animal Science  
Applied Ecology  
Biotechnology  
Crop Science

Entomology  
Extension Education  
Feed Milling  
Food Science  
Horticultural Science  
Leadership in Ag & Life Sciences  
Nutrition

Plant Biology  
Plant Biosecurity & Regulatory Science  
Poultry Science  
Soil Science  
Turfgrass Science

## Graduate Programs

Agribusiness Management  
Agricultural and Resource Economics  
Agricultural & Extension Education\*  
Animal Science\*  
Animal Science and Poultry Science  
Animal Science Concentration  
Poultry Science Concentration  
Biochemistry  
Biological and Agricultural Engineering  
Biomathematics\*\*  
Comparative Biomedical Sciences\*\*  
Bioinformatics  
Functional Genomics

Crop Science  
Economics  
Entomology  
Environmental Assessment\*\*  
Family Life & Youth Development\*  
Financial Mathematics  
Fisheries, Wildlife & Conservation Biology\*\*  
Food Science  
Horticultural Science\*  
Microbiology\*\*  
Nutrition

Physiology\*\*  
Plant Biology  
Plant Pathology  
Translational Plan Pathology Con.  
Evolutionary Ecology & Population Bio  
Host-Microbe Interactions Con.  
Poultry Science  
Soil Science\*  
Soil Science-Ecology Concentration

## Agricultural Institute

Agribusiness Management  
Field Crops Technology

General Agriculture  
Livestock & Poultry Management

Ornamentals & Landscape Technology  
Turfgrass Management

*\*Available via Distance Ed*

*\*\*Jointly administered by additional colleges*

The College of Agriculture and Life Sciences (CALS) is proud to offer degrees incorporating the basic life sciences and applied agricultural sciences. Our College focus includes **academics** (teaching students), **research** (discovering new knowledge), and **extension** (serving the citizens of our state).