

College of Agriculture, Forestry and Life Sciences

Three Part Mission

- Teaching
- Research
- Outreach

10 Departments

194 Faculty

- Applied Economics and Statistics
- Agricultural and Biological Engineering
- Animal and Veterinary Sciences
- Biological Sciences
- Entomology, Soil and Plant Sciences
- Food Science and Human Nutrition
- Forestry and Natural Resources
- Genetics and Biochemistry
- Horticulture
- Packaging Science

1 Interdepartmental Program

- Environmental Toxicology
- Involves faculty from
 - 9 Departments
 - and 2 Colleges

Degree Programs

- 16 MS
- 13 PhD
- Enrollments
 - 163 MS Students
 - 230 PhD Students

4 Endowed Chairs

- Newman Chair of Natural Resources Engineering –
Dave Brune
- Ernest L. Corley Jr. Trustees Chair for Animal and
Veterinary Sciences - Susan Duckett
- Coker Chair in Molecular Genetics - Bert Abbott
- Cryovac Chair in Packaging Science - Kay Cooksey

Clemson University

Experiment Station

- Part of Nationwide network of Experiment Stations
- Research Conducted on Clemson Campus in
 - Laboratories
 - Farms (1,215 ha)
 - Forests – 7,082 ha adjacent to campus

Clemson University

Experiment Station

- 5 Research and Education Centers located in each of state's distinct soil and climate regions
 - Coastal Forest and Wetland Ecosystems
 - Vegetables grown in sandy soils (Melons, peppers, tomatoes, asparagus)
 - New varieties,
 - better preharvest and post harvest techniques
 - Also medicinal plants such as echinacea and St. John's Wort

Clemson University

Experiment Station

- Row crops in sandy soils (cotton, soybeans, peanuts, canola, sweet potatoes)
 - Integrated pest management
 - conservation tillage practices
 - Also cattle forage
- New varieties and new management systems for Cash Crops of Coastal Plain (Cotton, tobacco, soybeans, corn, peanuts, small grains, turf grass)
- Center for Community and Economic Development

Genomics Institute

- **Mission**

- The development and distribution of genomic tools and services for the life science community.
- Research focuses on the discovery and functional analysis of important genes and genomic regions from plants, animals, microbes and humans using the specialized tools of genomics and proteomics.
- Application of these technologies to agriculture, human health and the environment

Restoration Institute

- **Mission**

- to advance knowledge in integrative approaches to the restoration of historic, ecological, and urban infrastructure resources.
- drive economic growth through
 - the development of new restoration industries
 - New technologies, and advanced materials,
 - cost-effective and environmentally sensitive land development and restoration practices
 - and the advancement of restoration-related professional disciplines.

Sonoco Institute of Packaging Design and Graphics

- **Mission**

- to foster and facilitate cross-disciplinary education, research and public service in packaging design and graphics,
- and anticipate and meet the product and service needs of the packaging industry.
- Provide facilities for multidisciplinary, mission-relevant research and service projects,
- as well as state of the art facilities for classes

Faculty Research

Covers all of CAFLS

- Animal Industries, Aquaculture
- Field, Fruit, Vegetable, and Ornamental Crops, Turf Grass
- Pest Management
- Sustainable Natural Resource Management
- Water Quality
- Genomics, Nutraceuticals
- Food Safety & Quality, Nutrition & Health
- Economic and Community Development
- Packaging Science