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