



## College of **AGRICULTURE, FORESTRY AND LIFE SCIENCES**

### **THE CORE OF CLEMSON'S LAND-GRANT MISSION**

The College of Agriculture, Forestry and Life Sciences (CAFLS) is at the core of Clemson University's land-grant heritage which grew from founder Thomas Green Clemson's vision of a high seminary of learning that would reach beyond the boundaries of the academy to benefit South Carolina, its people, land, wildlife, natural resources, and economy.

CAFLS brings together the land-grant mission of teaching, research, and Extension through world-class educational, inquiry and outreach opportunities, and partnerships with private industry and state and federal agencies.

CAFLS students benefit from rigorous classroom and experiential learning opportunities in plant, animal, human, molecular and packaging science. The world benefits from CAFLS research discoveries that help sustainably feed a growing global population and conserve natural resources for future generations. And South Carolina benefits from a robust Clemson Cooperative Extension Service that imparts research-based information to support the state's \$42 billion agribusiness and natural resources industry and strengthen communities, families, and youth.

### **DEAN KEITH L. BELLI**

*Keith L. Belli* became Dean of Clemson University's College of Agriculture, Forestry and Life Sciences on September 1, 2018. Before becoming Dean of CAFLS, Belli was head of the University of Tennessee's Department of Forestry, Wildlife and Fisheries.

Since taking over leadership of CAFLS, Dean Belli has charted a course towards making CAFLS a premier college of agriculture by seamlessly integrating academics, research and Extension resources to support the College's goal of producing students who can become leaders in their chosen fields and meet the challenge of producing food and fiber for a growing state and global population.



Dean Belli's approach to growing CAFLS includes implementing a 10-year strategic plan focused on increasing student engagement in all three aspects of the College's land-grant mission; strengthening graduate student programs; improving research quality and impact; fostering economic prosperity by delivering knowledge to South Carolina citizens and industries; creating a more diverse college community; and deploying interdisciplinary and multi-institutional collaborations to tackle the global challenge of sustainably feeding, clothing and sheltering a growing global population.

### **THE REIMAGINED AGRICULTURAL COLLEGE**

While CAFLS is home to a broad array of impactful academic, research and Extension programs, the College sets itself apart from other colleges of agriculture through innovative programs that address the sustainable agricultural lifecycle phases of natural resources conservation, efficient use of farm inputs, increased farm production and post-harvest packaging.

**Water Management:** CAFLS is home to an interdisciplinary team of professors and Extension agents focused on research and outreach in the areas of water management and conservation. Faculty expertise in CAFLS includes water management strategies, modeling, policy, supply, demographics, and conservation.

**Conservation:** CAFLS efforts in the areas of forestry and wildlife conservation extend beyond the classroom through a host of Extension programs, industry and government partnerships and research facilities. The 17,500-acre Clemson Experimental Forest located adjacent to campus and the 26,000-acre Baruch Institute of Coastal Ecology and Forest Science located in Georgetown, SC, provide unparalleled experiential learning and research opportunities for CAFLS students and scientists.

**Packaging Science:** CAFLS' packaging science program, ranked 2nd in the nation, is unique in blending biology, chemistry and physics which propels its graduates to fill industry jobs in package design and graphics, food and health care packaging and advanced materials packaging.

**Agricultural Technology and Innovation:** CAFLS' Advanced Plant Technology Program uses translational, problem-solving science to advance crop agriculture in South Carolina. APT members include over 20 world-class researchers, stationed throughout the state, who represent basic and applied sciences in corn, cotton, peaches, peanuts, sorghum, soybean, and wheat.

**Food Security:** Sustainably feeding a growing global population is at the heart of nearly everything CAFLS does. With degree programs including agribusiness, food technology, plant and environmental sciences, agricultural sciences, animal and veterinary sciences, human nutrition, and horticulture, CAFLS students

satisfy their passion for securing degrees and entering a workforce that not only pays well but can also shape the future.

## BY THE NUMBERS ACADEMICS

**92%:** retention rate for FTFT Freshmen

**83.5%:** 6-year graduation rate

More than **\$1 million** in scholarships awarded annually

### Degree Programs

<b>Agribusiness</b>	<b>Food Science &amp; Human Nutrition</b>
<b>Agriculture (M.S. or Ph.D.)</b>	<b>Food Technology (Ph.D.)</b>
<b>Agricultural Education (B.S., M.Ag.Ed.)</b>	<b>Forest Resources (M.FR., M.S., Ph.D.)</b>
<b>Agricultural Mechanization &amp; Business</b>	<b>Forest Resources Management</b>
<b>Animal &amp; Veterinary Sciences (B.S., M.S., Ph.D.)</b>	<b>Horticulture</b>
<b>Applied Economics &amp; Statistics (M.S.)</b>	<b>Packaging Science (B.S., M.S.)</b>
<b>Entomology (M.S., Ph.D.)</b>	<b>Plant &amp; Environmental Sciences (B.S. M.S., Ph.D.)</b>
<b>Environmental &amp; Natural Resources</b>	<b>Preveterinary Medicine, Program</b>
<b>Environmental Toxicology (M.S., Ph.D.)</b>	<b>Turfgrass</b>
<b>Food, Nutrition and Culinary Sciences (M.S.)</b>	<b>Wildlife and Fisheries Biology (B.S. M.S., Ph.D.)</b>

## RESEARCH

**\$22.3 million:** sponsored research awards

**\$16.4 million:** research expenditures (an all-time high)

## EXTENSION

**Home of South Carolina 4-H**

**6,154:** educational programs and workshops delivered

**127,023:** participants statewide in Extension programming

## By the Numbers

14,939 ALUMNI

2,108 STUDENTS

743 FACULTY & STAFF