MISSION

The mission of our college is to educate, create and disseminate new knowledge, engage our students in critical thinking and thereby inspire new discoveries – the cutting-edge innovations of tomorrow, leading to transformative economic development and broadening our impact as a land-grant university.

Innovation through Translation

We are transforming knowledge that creates a high impact on society through our integration of science, engineering and mathematics; and through the faculty, staff and students who execute that integration, we will enhance economies and technologies everywhere by establishing ourselves as global game changers.

The college’s strategic plan provides a coordinated strategy for success based on four goals:

• Leadership in integrated translational education
• Excellence in high-impact research through the creation and translation of new knowledge and technologies
• Economic development through translational research, innovation and education by integrating enterprise campuses
• Collaborative translation through innovative leadership, partnerships, engagement and experiences

Establishing our global leadership role requires the College of Engineering and Science to develop world-class facilities, provide exemplary educational experiences, recruit virtuoso talent, and conduct transformative research and scholarship.

Dean Anand K. Gramopadhye, Ph.D.

As dean, Anand Gramopadhye oversees 15 academic departments that have an enrollment of nearly 7,500 students. Under his leadership as department chair, the industrial engineering department increased in enrollment, research and scholarship. He helped create the Center for Workforce Development, which is home to the National Science Foundation Advanced Technical Education Center for Automotive and Aviation Education. He received his B.S. in production engineering from the University of Bombay, India, and his M.S. and Ph.D. in industrial engineering from the State University of New York, Buffalo.
Departments & Schools

CES is made up of 15 departments: Automotive Engineering, Bioengineering, Chemical and Biomolecular Engineering, Chemistry, Glenn Department of Civil Engineering, School of Computing, Holcombe Department of Electrical and Computer Engineering, Engineering and Science Education, Environmental Engineering and Earth Sciences, General Engineering, Industrial Engineering, Materials Science and Engineering, Mathematical Sciences, Mechanical Engineering, and Physics and Astronomy.

Special Programs

- The Program for Educational Enrichment and Retention (PEER) pairs CES minority freshmen with minority upperclassmen who serve as mentors and guides in the transition to college.
- Residents in Science and Engineering (RiSE) Living-Learning Community is a unique, first-year community for learning and student success.
- Women in Science and Engineering (WISE) encourages and supports women as they prepare for, obtain and succeed in careers in science and engineering.
- In the Cooperative Education (Co-op) Program, students alternate semesters of academic study with paid, career-related semesters of employment.

Student and Alumni News and Notes

- $11 million award from the National Institutes of Health to expand the South Carolina Bioengineering Center of Regeneration and Formation of Tissues, the largest NIH grant in the University’s history.
- Professor Rajendra Singh, D. Houser Banks Professor of Electrical and Computer Engineering, honored by the White House as a “Champion of Change” for efforts to promote solar technologies for residential, commercial and industrial use.
- Professor Leidy Klotz of the Glenn Department of Civil Engineering named to NerdScholar’s inaugural list “40 Under 40: Professors Who Inspire.”
- S.C. Gov. Nikki Haley recognized three professors for their internationally renowned research in optical materials science, nanoscale physics and radionuclides in the environment: John Ballato and Apparao Rao won the 2014 Governor’s Award for Excellence in Scientific Research and Brian Powell won the 2014 Governor’s Young Scientist Award for Excellence in Scientific Research.
- Serita Acker, the director of Women in Science and Engineering, has won the Women of Color magazine’s College-Level Promotion of Education award.
- Clemson Engineers for Developing Countries won a 2014 Andrew Heiskell Award in the study-abroad category from the Institute of International Education for the design and construction of the first chlorinated municipal water system in Haiti’s Central Plateau.

Centers of Economic Excellence

- Advanced Fiber-Based Materials
- Advanced Tissue Biofabrication
- CU-International Center for Automotive Research (CU-ICAR)
- Cyber Institute
- Optical Materials/Photonics
- Optoelectronics
- Regenerative Medicine
- Supply Chain Optimization and Logistics

Associated Centers of Economic Excellence

- Clemson University Restoration Institute
- Tissue Systems Characterization Center