University of South Carolina engineering and computing graduates are building bridges, designing electrical circuits, and making machines that make life better. They’re exploring new energy sources for a cleaner and safer environment; strengthening online security; and testing new materials that will change the look, shape, and feel of hundreds of everyday objects.

If you want to design, build, or create solutions and do research at a college that has received national rankings by the National Research Council, the College of Engineering and Computing at the University of South Carolina is for you. We offer post baccalaureate degrees in biomedical engineering, chemical engineering, civil and environmental engineering, computer science and engineering, electrical engineering, mechanical engineering, and nuclear engineering.

Our graduate program also offers the benefit of a distance educational program called APOGEE, designed to meet the needs of busy full-time employed professionals by providing flexibility to course content delivery. APOGEE lectures are delivered directly to student’s computer using video-streaming providing the student with the flexibility to access lectures and other course materials at any time, and in any place they have access to the Web. Students can listen to lectures at their convenience and avoid problems caused by business travel and work schedules.

To learn more about our graduate programs, use the contact information in this brochure, visit us online or use the attached postage-paid postcard.
Overview of the College

The College of Engineering and Computing offers a diverse graduate education with some of the top researchers in the nation. We have one of the largest group of energy researchers in the southeast, with just over half of our faculty doing research in some aspect of the wide-range of energy fields including batteries, biomass, clean coal, electricity, future fuels, hydrogen, hydrogen fuel cells, photovoltaics, nuclear, solid oxide fuel cells and more. We are the only program in the state of South Carolina to offer a graduate degree program in Nuclear Energy. We are also the only program in the state to offer classes in computer game programming and design.

The recent survey data released by National Research Council ranked all of our departments for faculty research productivity as number one in the state; three of departments received top national rankings with Chemical Engineering ranking in the top 30 in the nation, Electrical Engineering, top 10, and Mechanical Engineering in the top 35 in the nation.

Our faculty are recognized nationally and internationally as being leaders in their fields. Of our 106 researchers, 26 are National Science Foundation Young Investigator/CAREER award winners; 9 faculty hold 12 Fellowships including Fellowships in the American Society of Civil Engineers, American Society of Mechanical Engineers, and the Institute of Electrical and Electronics Engineers, Inc; one is the state’s only active member of the National Academy of Engineering; and one is a distinguished recipient of the Order of the Palmetto, the highest civilian honor awarded by the state’s Governor (two of our retired faculty also hold this distinction).

The College of Engineering and Computing is a rapidly growing college seeing a 42% increase in undergraduate enrollment in a five year period of time (2007-2012). Our physical footprint covers two blocks in the City of Columbia with facilities on the APOGEE: distance learning program.

Degrees Offered and Contacts

Master of Engineering (M.E), Master of Science (MS), Doctor of Philosophy (PhD), APOGEE: distance learning program

- Biomedical Engineering MS, PhD Program contact: Carol Davis. Graduate Director: Dr. Richard Goodwin. http://biomed.engr.sc.edu
- Chemical Engineering ME, MS, PhD; APOGEE. Program contact: Marcia Rowen. Graduate Director: Dr. James Ritter. http://www.che.sc.edu
- Civil and Environmental Engineering ME, MS, PhD; APOGEE. Program contact: Karen Amschell. Graduate Director: Dr. Sarah Gassman. http://www.ce.sc.edu
- Computer Science and Engineering ME, MS, PhD; APOGEE. Graduate Director: Dr. Manton Matthews. http://www.cse.sc.edu
- Electrical Engineering ME, MS, PhD; APOGEE. Program contact: Valuncha (Nat) Paterson. Graduate Director: Dr. Gotam Koley. http://ee.sc.edu
- Mechanical Engineering ME, MS, PhD; APOGEE. Program contact: Renee Jenkins. Graduate Director: Dr. David Rocheleau. http://www.me.sc.edu
- Nuclear Engineering ME, MS, PhD; APOGEE. Program contact: Renee Jenkins. Acting Program Director: Dr. Travis W. Knight. http://www.me.sc.edu/nuclear

Apply to USC

Applications for post baccalaureate education at the University of South Carolina is handled through our Graduate School. Prospective students can begin the application process online through the Graduate School web site. For more information and application deadlines, see http://gradschool.sc.edu.

If you would like more information on the departments of the College of Engineering and Computing and/or if you would like someone from the graduate program(s) to contact you directly, please complete the information card below and return it to us, postage pre-paid.

Visit us online at http://cec.sc.edu

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