ELECTRICAL ENGINEERING

Department Website (https://sc.edu/study/colleges_schools/engineering_and_computing/study/electrical_engineering/)

Roger Dougal, *Chair*

Electrical engineers create electronic devices, circuits, and systems that create, process, or distribute information and energy. Graduates of this program are prepared for a wide range of professional practice through a combination of core and career plan courses. The first two years of study establish a technical foundation in math, science, and engineering principles and a responsible social foundation in the liberal arts. The last two years of study focus each student's interest into a specialty area appropriate to their own career objectives. The department's web site describes a wide range of sample career plans, ranging from renewable energy systems to 5G communication networks. The department is well-known for its outstanding hands-on laboratory sequence and for encouraging highly talented and motivated undergraduate students to participate in its many research programs. The rapid pace of developments in electrical engineering requires that graduates make strong commitments to lifelong learning, and it ensures that graduates will be presented with many exciting and diverse opportunities throughout their professional careers.

Accelerated BSE/Graduate Program

Qualifying Electrical Engineering majors can enroll in the Accelerated bachelors/graduate degree program and then earn graduate credit for up to 12 credit hours of courses that can also be applied to their baccalaureate program. These students can typically complete a graduate degree (ME, MS, or PhD) one to two semesters faster than would otherwise be possible. Requirements for this program appear on the College of Engineering and Computing pages.