

Baccalaureate Accreditation

Electrical and computer engineering are primarily concerned with the generation, control and distribution of electric energy and information. The department offers undergraduate and graduate programs and conducts research to serve the needs of the state and the nation.

The department offers two undergraduate programs of study, electrical engineering and computer engineering, both leading to the BSEE degree. Both programs are accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (ABET). Program educational objectives and outcomes are described below.

Program Educational Objectives

1. Educate students so that upon graduation they will be able to pursue a productive career.
2. Provide the necessary background for students who wish to do advanced study at LSU or elsewhere.

Program Outcomes

In order to meet the program objectives, a graduate of the program will have accomplishments consistent with the general criteria specified by ABET. The criteria include:

1. an ability to apply knowledge of mathematics, science and engineering to analyze and design complex circuits, devices, and systems containing hardware and software components;
2. an ability to design and conduct experiments, as well as to analyze and interpret data;
3. an ability to identify, formulate and solve engineering problems;
4. an ability to use the techniques, skills and modern tools necessary for engineering practice;
5. a recognition of the need for and adequate preparation for continued professional growth and life-long learning;
6. an ability to function on multi-discipline teams, communicate effectively, and an understanding of professional and ethical responsibilities.