

## Bachelor of Science in Electrical Engineering<sup>†</sup>

Department of Electrical and Computer Engineering

### Program Educational Objectives

- Objective 1:** To provide a first-rate education in the principles of analog and digital circuits, microelectronic devices and technologies, signals and systems, basic computer engineering (including programming), and electromagnetics and optics that incorporate open-ended design experiences and the use of hardware and software tools.
- Objective 2:** To prepare students for careers and/or graduate education in electrical engineering as it applies to the major technical areas of microelectronics, signals and systems, and electromagnetics and optics.
- Objective 3:** To develop skills for clear verbal and written communication and responsible teamwork, and to foster professional attitudes and awareness of the benefits of life-long learning.
- Objective 4:** To provide a learning environment that is based on open interaction with experienced faculty and staff and a curriculum that is dynamic, rigorous, and innovative.