What will you do with a bachelor of science degree in electrical engineering?

Program educational objectives (or PEOs) are broad statements that describe what we expect graduates of AU's ceramic engineering program to attain 3-5 years after graduation. PEOs are reviewed and revised regularly to ensure that the program educational objectives are relevant to the needs of today's employers.

Program Educational Objectives

During the first few years after graduation, graduates of the Electrical Engineering program will:

1. Advance in multidisciplinary engineering careers within the context of Electrical Engineering beginning with either entry-level positions in industry or postgraduate studies in electrical engineering and related fields.
2. Actively engage in teams that solve problems with independent thinking with a drive towards excellence in their job/study performance.
3. Adopt the engineering method with their lifelong learning skills with understanding of

What will you learn if you major in electrical engineering?

Program outcomes are the knowledge, skills, and abilities that we expect graduates of the program to attain at the time of graduation.

Program Outcomes (Student Learning Outcomes)

Graduates of the Electrical Engineering program at Alfred University will have:

- An ability to apply knowledge of mathematics, science and engineering.
- An ability to design and conduct experiments, as well as to analyze and interpret data.
- An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
- An ability to function on multidisciplinary teams.
- An ability to identify, formulate, and solve engineering problems.
- An understanding of professional and ethical responsibility.
- An ability to communicate effectively.
- The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
- A recognition of the need for, and an ability to engage in life-long learning.
- A knowledge of contemporary issues.
- An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.