

UCLA

Student Learning Outcomes for the B.S. in Electrical Engineering

The Electrical Engineering major is a designated capstone major. Undergraduate students complete a design course in which they integrate their knowledge of the discipline and engage in creative design within realistic and professional constraints. Graduates should be able to:

- apply knowledge of mathematics, science, and engineering.
- 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.
- function on multi-disciplinary teams.
- identify, formulate, and solve engineering problems.
- communicate effectively.