

University of Southern California
VITERBI SCHOOL OF ENGINEERING

Engineer Degree in Electrical Engineering
Program Learning Objectives

The purpose of the USC Viterbi School of Engineering Engineer Degree in Electrical Engineering is to prepare students for high-level professional employment in any sector of the electrical engineering arena that incorporates analytical techniques; or, to pursue advanced graduate studies focusing on related problems in the field. The level of preparation exceeds that of the Master of Science in Electrical Engineering degree program by typically an equal number of graduate-level courses. Graduates might pursue electrical-engineering-related employment or advanced graduate study relating to computer networks, computer systems, communications, control systems, analog, digital, and mixed-signal circuits, optics and photonics, and signal and image processing.

- Upon completion of the USC Engineer Degree in Electrical Engineering, students will be able to demonstrate broad understanding of electrical engineering systems and hardware.
- Upon completion of the USC Engineer Degree in Electrical Engineering, students will be able to apply critical principles and skills pertinent to Engineer Degree in Electrical Engineering duties in their employment and professional practice.
- Upon completion of the USC Engineer Degree in Electrical Engineering, students will be able to work in diverse global contexts and apply universally respectful and globally centric practices pertinent to Engineer Degree in Electrical Engineering duties in international and domestic contexts.
- USC students enrolled in the Engineer Degree in Electrical Engineering program will demonstrate understanding of contemporary research questions, results, and areas of application relating to diverse aspects of electrical engineering.