

University of Southern California
VITERBI SCHOOL OF ENGINEERING

Master of Science in Electrical Engineering
Program Learning Objectives

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