

University of Southern California
VITERBI SCHOOL OF ENGINEERING

Master of Science in Electrical Engineering (Electric Power)
Program Learning Objectives

The purpose of the USC Viterbi School of Engineering Master of Science in Electrical Engineering (Electric Power) is to prepare students for high-level professional employment in any sector of the electric power arena that incorporates analytical techniques; or, to pursue advanced graduate studies focusing on related problems in the field. Graduates might pursue electric-power-related employment or advanced graduate study relating to power transfer, electric power equipment, or electric power control.

- Upon completion of the USC Master of Science in Electrical Engineering (Electric Power), students will be able to demonstrate broad understanding of electric power systems, including electric power generation, transmission, and distribution, electric power equipment, and electric power control (traditional and smart-grid).
- Upon completion of the USC Master of Science in Electrical Engineering (Electric Power), students will be able to apply critical principles and skills pertinent to MSEE (Electric Power) duties in their employment and professional practice.
- Upon completion of the USC Master of Science in Electrical Engineering (Electric Power), students will be able to work in diverse global contexts and apply universally respectful and globally centric practices pertinent to MSEE (Electric Power) duties in international and domestic contexts.
- USC students enrolled in the Master of Science in Electrical Engineering (Electric Power) program will demonstrate understanding of contemporary research questions, results, and areas of application relating to electric power systems.