

**University of Southern California**  
**VITERBI SCHOOL OF ENGINEERING**

Master of Science in Electrical Engineering (Computer Networks)  
Program Learning Objectives

The purpose of the USC Viterbi School of Engineering Master of Science in Electrical Engineering (Computer Networks) is to prepare students for high-level professional employment in any sector of the computer networks arena that incorporates analytical techniques; or, to pursue advanced graduate studies focusing on related problems in the field. Graduates might pursue computer-networks-related employment or advanced graduate study relating to wireless communications, network architecture design, planning and analysis, or related areas.

- Upon completion of the USC Master of Science in Electrical Engineering (Computer Networks), students will be able to demonstrate broad understanding of computer network systems, including network routing, transport protocols, internetworking, and broadband wireless network architectures.
- Upon completion of the USC Master of Science in Electrical Engineering (Computer Networks), students will be able to apply critical principles and skills pertinent to MSEE (Computer Networks) duties in their employment and professional practice.
- Upon completion of the USC Master of Science in Electrical Engineering (Computer Networks), students will be able to work in diverse global contexts and apply universally respectful and globally centric practices pertinent to MSEE (Computer Networks) duties in international and domestic contexts.
- USC students enrolled in the USC Master of Science in Electrical Engineering (Computer Networks) will demonstrate understanding of contemporary research questions, results, and areas of application relating to computer network systems, particularly with respect to wireless systems.