University of Southern California
VITERBI SCHOOL OF ENGINEERING

Master of Science in Civil Engineering (Water and Waste Management)
Program Learning Objectives

The purpose of the USC Viterbi School of Engineering Master of Science in Civil Engineering (Water and Waste Management) program is to prepare students for high level professional employment in any sector of water and waste management for sustainable infrastructure systems that incorporates analytical techniques and design practices; or to pursue advanced graduate studies focusing on related problems in the field. Graduates might pursue water and waste management related employment or advanced graduate study relating to advanced treatment and management strategies.

- Upon completion of the USC Master of Science in Civil Engineering (Water and Waste Management) program, the students will be able to demonstrate broad understanding of technical issues and management practices related to water and wastewater infrastructure system covering surface water, ground water, and coastal water.

- Upon completion of the USC Master of Science in Civil Engineering (Water and Waste Management) program, students will be able to apply critical principles and skills pertinent to the MSCE (Water and Waste Management) in their employment and professional practice.

- Upon completion of the USC Master of Science in Civil Engineering (Water and Waste Management) program, students will be able to work in diverse global contexts and apply universally respectful and globally centric practice pertinent to the MSCE (Water and Waste Management) in international and domestic contexts.

- USC students enrolled in the MSCE (Water and Waste Management) program will demonstrate understanding of contemporary research questions, results and areas of application relating to water and wastewater infrastructure systems, particularly with respect to metropolitan communities.