

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 civil and environmental engineering with emphasis in water and waste management. The students incorporate analytical, computer modeling techniques and design practices for the diverse subjects of water and waste management. Graduates might pursue civil and environmental engineering related employment or advanced graduate study for in-depth research in a chosen field of civil and environmental engineering.

- Upon completion of the USC Master of Science in Civil Engineering (Water and Waste Management) program, students will be able to demonstrate broad understanding of technical issues, analytical and design techniques in ground water and surface water management, water supply and wastewater treatment, sustainable infra-structure system modeling and coastal zone management.
- 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 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 practices pertinent to the MSCE in international and domestic contexts.
- USC students enrolled in the Master of Science in Civil Engineering (Water and Waste Management) program will demonstrate understanding of contemporary research questions, results and areas of application relating to the broad areas of water and waste management in natural and build environments.