

**University of Southern California
Viterbi School of Engineering**

Master of Science in Civil Engineering
Program Learning Objectives

The purpose of the USC Viterbi School of Engineering Master of Science in Civil Engineering is to prepare students for high level professional employment in any sector in the general area of civil engineering that incorporates analytical techniques and design practices in diversified fields of civil engineering; or to pursue advanced graduate studies focusing on related problems in a chosen specific field. Graduates might pursue civil and environmental engineering related employment or advanced graduate study for in-depth studies work in a chosen field of civil engineering.

- Upon completion of the USC Viterbi School of Engineering Master of Science in Civil Engineering program, students will be able to demonstrate broad understanding of technical issues, analytical and design techniques in broad civil engineering fields covering environmental engineering and water resources, construction and transportation, structural engineering and geotechnical engineering .
- Upon completion of the USC Viterbi School of Engineering Master of Science in Civil Engineering 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 Viterbi School of Engineering Master of Science in Civil Engineering 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 USC Viterbi School of Engineering Master of Science in Civil Engineering program will demonstrate understanding of contemporary research questions, results and areas of application relating to the broad areas of civil and environmental engineering in natural and built environments.