

University of Southern California
VITERBI SCHOOL OF ENGINEERING

Master of Science in Civil Engineering (Construction Engineering)

Program Learning Objectives

The purpose of the USC Viterbi School of Engineering Master of Science in Civil Engineering (Construction Engineering) is to prepare students for high-level professional employment in architecture and construction engineering firms, in leadership positions in the public sector, or to pursue advanced graduate studies focused on problems in modern construction engineering. USC Students enrolled in the USC Viterbi School of Engineering Master of Science in Civil Engineering (Construction Engineering) will:

- demonstrate understanding of contemporary engineering design principles and associated innovative practices relevant to professional practices and theories relating to BIM, Sustainability, Scheduling, Estimating, Project Controls, etc., and be able to implement these practices under guidance of Civil and Environmental Engineering faculty members in preparation for employment in Architecture, Engineering and Construction industries.
- demonstrate broad understanding of the technical and non-technical activities which cover the most current theories and professional practices.
- be able to apply critical principles and practices pertinent to the Master of Science in Civil Engineering (Construction Engineering) in their employment practice.
- be able to work in diverse global contexts and apply universally respectful and globally centric practice pertinent to the Master of Science in Civil Engineering (Construction Engineering).