

University of Southern California
VITERBI SCHOOL OF ENGINEERING

Master of Science in Analytics
Program Learning Objectives

The purpose of the USC Viterbi School of Engineering Master of Science in Analytics Program is to prepare students for high level professional employment in positions that require the application of engineering methods to data-driven analysis and management of engineering and business processes and operations.

Upon completion of the Viterbi School of Engineering Master of Science in Analytics students will:

- demonstrate advanced understanding of the technical fundamentals of descriptive, predictive, and prescriptive analytic methodologies;
- be able to apply analytic methodologies to data-intensive domain applications;
- be able to apply a systems-based problem solving approach within diverse global contexts;
- demonstrate advanced understanding of contemporary model-based analytics and associated computational methods that support sound operational decision making in various sectors.