The purpose of the USC Viterbi School of Engineering Master of Science in Analytics Program is to prepare students for a successful career in Analytics and Data Science. These are 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 MS in Analytics students will:

- demonstrate advanced understanding of the technical fundamentals of descriptive, predictive, and prescriptive analytic methodologies;
- be able to summarize and present complex data, applying machine learning methods to predict the results of different complex scenarios and converting the data into actionable insights;
- produce powerful analytics to make well informed decisions; and
- demonstrate advanced understanding of contemporary model-based analytics and associated computational methods that support sound operational decision making in various sectors.