

**University of Southern California**  
**VITERBI SCHOOL OF ENGINEERING**

Master of Science in Data Informatics  
Program Learning Objectives

Hard challenges in areas as diverse as medicine, business, media, and sports are being solved daily because data is opening new doors to the future. Progress in these domains requires individuals who understand the relevant engineering principles, but also have a passion for how information can be used to solve vexing puzzles. The USC Viterbi School of Engineering Master of Science in Data Informatics provides students with the skills to address new, data-intensive questions.

- Upon completion of the USC Viterbi School of Engineering Master of Science in Data Informatics program, students will demonstrate broad understanding and be able to contribute toward the significant technical and societal challenges created by large data environments, including architecture, security, integrity, management, scalability, artificial intelligence topics, and distribution. Students will be able to utilize these technical/engineering skills coupled with informatics capabilities to provide enterprise-centric solutions to diverse important problems.
- Upon completion of the USC Master of Science in Data Informatics program, students will be able to apply critical principles and practices pertinent to data-centric and/or data-driven challenges in their employment practice.
- Upon completion of the USC Master of Science in Data Informatics program, students will be able to work in diverse global contexts and apply universally respectful and globally centric practices pertinent to a variety of domains that are employing advanced data techniques to reach new boundaries of discovery.
- USC students enrolled in the Master of Data Informatics program will demonstrate understanding of contemporary engineering design principles and associated innovative practices relevant to theories and application of informatics, and the goals of enterprise information intelligence and analytics, and be able to implement these practices under guidance of Informatics faculty members in preparation for employment in a diverse set of industries.