

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

Master of Science in Health Systems Management Engineering  
*Program Learning Objectives*

The purpose of the USC Viterbi School of Engineering Master of Science Program in Health Systems Management Engineering is to prepare students for high-level professional employment in positions that require an understanding of systems, management and engineering principles as applied to healthcare organizations, and require a higher level of proficiency in their field of study.

Upon completion of the Viterbi School of Engineering Master of Science in Health Systems Management Engineering, students will:

- understand and be able to apply the principles of performance improvement in healthcare;
- be able to develop execute and lead projects to improve the quality, productivity and outcomes of healthcare services;
- be able to apply systems design in healthcare and assist in the implementation of new systems;
- understand the variety of healthcare organizations and be able to work with them;
- assist management and provide training to that assure that others in their organization can also improve performance; and
- be prepared to advance to new positions and to higher levels of management.