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.