

Masters Degree – Health Systems Management Engineering Progressive Degree Option

The Master of Science in Health Systems Management Engineering prepares students for leadership positions in the healthcare industry. Hospitals and the healthcare system are in desperate need of redesign from a cost, quality and productivity standpoint. Employers are seeking the skills offered in this degree. Jobs are often in management, consulting, performance improvement or technology. Healthcare is the largest industry and needs people able to help improve operations. You will learn how healthcare works and how to make it better for everyone by doing projects at hospitals and clinics. Courses are from three schools; the Daniel J. Epstein Department of Industrial and Systems Engineering, the Keck School of Medicine of USC and the USC Sol Price School of Public Policy.

Required Courses – (15 units)

ISE 508 Health Care Operations Improvement Units: 3 (Fa)

ISE 509 Practicum in Health Care Systems Units: 3 (Sp)

ISE 515 Engineering Project Management Units: 3 (Fa, Sp, Su)

PM 508 Health Service Delivery in the U.S. Units: 4 (Fa)

PPD 511 Health Information Systems Units: 2 (Fa)

Health Care – (4 Units)

PM 504 Quality in Health Care Units: 4 **or** (Fa, Sp)

PPD 518 Quality of Care Concepts Units: 2 **and** (Fa, Sp)

PPDE 610 Population Health Management Units: 2 (Fa)

Data Analytics – Select One Course (3 Units)

ISE 500 Statistics for Engineering Management Units: 3 (Fa, Sp)

ISE 529 Predictive Analytics Units: 3 (Fa, Sp)

***Total Units Required for the Health Systems Management Engineering PDP degree: 22**

(term offerings in parenthesis are expected but not guaranteed)

