

M.S. in Engineering Management

The Master of Science in Engineering Management (MSEM) degree is designed for working professionals who desire to add management skill to their prior degrees in engineering, math, physical science, computer science, or another STEM field. The degree is designed to assist those students to move into managerial roles in technical organizations. The degree expands on the student's existing technical abilities, adding management knowledge and skills.

Technical organizations require managers who understand the technical nature of the firm's business. Upon completion of the multi-disciplinary degree, students will have the knowledge to become managers in a technical organization.

The degree program will be comprised of three sections. The first section will be comprised of 9 credit hours focused on high reliability organizations (HRO). High reliability organizations focus on risk, managing risk and resiliency. Concepts from these courses can be applied to all organizations. The second block of the MSEM will be the engineering management core. The third block consist of a certificate in the area of the student's choice and provides the opportunity for students to focus their studies to match their career goals.

The Master of Science in Engineering Management with a certificate in Project Management is accredited by the PMI Global Accreditation Center for Project Management Education Programs (GAC). Degree programs that achieve GAC accreditation must demonstrate and meet the GAC's rigorous global standards of accreditation, which include an assessment of each program's objectives and outcomes, faculty and student evaluations, onsite and online resources, annual self-evaluation, and proof of continuous improvements in the area of project management education. GAC accreditation ensures the quality of academic degree programs and their graduates in order to meet the standards of the rapidly growing field of project management.

Estimated Cost of Attendance