

Master of Science in Engineering Management program outline

The Engineering Management program requires 36 credits of graduate-level coursework. All courses are 3 credits unless otherwise noted.

Core courses

Required for all students (27 credits)

EGM 510 Engineering Project Decision Processes
EGM 515 Quality Processes
EGM 516 Management Science
EGM 520 Operations Analysis and Resource Allocation
EGM 525 Project Analysis and Resource Allocation
EGM 530 Engineering and Management Models
MBA 501 Foundations of Business
MBA 505 Foundations of Management
MBA 552 Organizational Behavior and Leadership

Elective Courses

Three required (9 credits)

EGM 534 Material & Intellectual Property
EGM 536 Product Design & Development
EGM 538 Automation Production and Systems
EGM 540 Lean Six Sigma & Lean Manufacturing
EGM 544 Emerging Technologies
EGM 545 Applied Engineering Analysis
EGM 580 Graduate Project Continuum
EGM 581 Graduate Project Completion
EGM 590 Thesis Continuum
EGM 591 Graduate Project Completion