

ENGINEERING MANAGEMENT, MASTER OF SCIENCE (0447)

Program Coordinator

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The Master of Science in Engineering Management develops leaders to support the needs of the modern world-wide industry. The curriculum enhances both career and personal objectives. Graduates of the program are equipped to manage organization resources, lead technological change, and strategically integrate higher level knowledge within their companies.

The Master of Science in Engineering Management (MSEM) provides a broad-based core of management competency in business functions, along with a solid understanding of engineering technologies and capabilities. Courses build upon existing technical competency while allowing the student to customize their depth of study in specific management technologies that enhance long-term professional career goals.

All courses can be taken online. Online courses are delivered via Blackboard or interactive video.

Students are encouraged to deliver a peer-reviewed professional presentation or paper at a national conference of their choosing. The professional association for the MSEM program is the Association of Technology, Management, and Applied Engineering (ATMAE).

Joint Undergraduate Master's Program (JUMP)

This degree offers a Joint Undergraduate Master's Program (JUMP) which provides academically outstanding students the opportunity to complete both an undergraduate and graduate degree in approximately five years. Contact the graduate program coordinator for additional information.

Program Admission

Completion the Graduate Record Exam (GRE), GMAT or equivalent. A minimum GRE score of 140 verbal is required and a quantitative score of 140 is preferred with a score of 2.5 or higher for analytical writing. International students must also provide evidence of an ability to communicate effectively in English, as demonstrated by an IELTS score of 6.5 or equivalent.

Graduate School Admission

Please refer to the admission section (<http://catalog.wku.edu/graduate/admission/>) of this catalog for Graduate School admission requirements.

Program Requirements (33 hours)

Code	Title	Hours
Required Courses		
EGMT 571	Research Methods in Technology Management	3
EGMT 520	Resource Management	3
EGMT 590	Operations Leadership	3
EGMT 655	Project Management	3
EGMT 671	Quality Management	3
EGMT 599	Thesis Research and Writing	6

Electives

Select 12 hours from the following:		12
EGMT 510	Emerging Technologies	
EGMT 530	Automated Data Collection Systems	
EGMT 535	Workforce Development	
EGMT 540	Theory of Constraints	
EGMT 580	Six Sigma Quality	
EGMT 588	Product Development	
EGMT 594	Lean Systems	
EGMT 630	Legal and Ethical Issues in Technology	
EGMT 650	Supply Chain Management	

Total Hours

33

Students are required to complete an oral defense of their thesis and complete a comprehensive written exam of their coursework.