Engineering Management - a professionally-focused and relevant graduate degree

» Learn to manage complex technological and business-related problems present in today's economy.
» Develop leadership and project management skills to successfully lead technical teams.
» Acquire technical skills in your chosen technical field.

When you choose UMBC Professional Programs, you can count on:

» Courses developed and taught by industry experts and designed to address real-world problems in the workplace.
» Programs that combine practical business approach with in-depth technical courses plus an emphasis on how to lead people and manage complex projects.
» Flexible evening class schedule that accommodates working professionals.
» Wide-ranging resources offered at a top-notch public research university.

Why UMBC?

» UMBC provides a comprehensive and quality education at a manageable cost.
» For six years running, UMBC was ranked #1 in the U.S. New and World Report’s list of ‘national up-and-coming’ universities, and in 2015 ranked #4 as ‘most innovative schools.’
» UMBC is classified by the Carnegie Foundation as a Research University (High Research Activity).
» UMBC is uniquely positioned to provide education and training that respond to the state’s need for qualified technical professionals in the engineering field.

For Program Information:
Dr. Thomas Moore
Program Director
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For Application Information:
Kim Edmonds
Program Coordinator
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Admission Requirements
M.S. and Graduate Certificate:
» A bachelor’s degree in Engineering, Computer Science or Information Systems
» Minimum undergraduate GPA of 3.0 on a 4.0 scale
» Letters of recommendation and GRE scores are not required for applicants with a degree from an accredited U.S. institution

International Applicants:
Please visit umbc.edu/engm/international for detailed admissions requirements for international applicants.
» Please pay special attention to English proficiency and testing requirements

Admission Deadlines
Fall: August 1
Spring: December 1
For detailed application process please visit: umbc.edu/engm

Office of Professional Programs
UMBC’s Office of Professional Programs offers a broad array of professionally focused master’s degree and certificate programs that address industry needs while anticipating future opportunities.

Master’s Program
Master of Science (M.S.): Engineering Management
30 Credits (10 courses)

Required Core Management Courses (12 credits)
ENMG 650: Project Management Fundamentals
OR
ENMG 668: Project and SE Management
ENMG 652: Management, Leadership, and Communication
ENMG 656: Engineering Law and Ethics
ENMG 658: Financial Management

Elective Management Courses (Select 2 courses)
6 Credits:
ENMG 654: Leading Teams and Organizations
ENMG 659: Strategic Management
ENMG 660: Systems Engineering Principles*
ENMG 661: Leading Virtual/Global Teams
ENMG 663: Advanced Project Management Applications
ENMG 664: Quality Engineering and Management*
ENMG 672: Decision and Risk Analysis*

ENMG 690: Innovation and Technology Entrepreneurship
ENMG 692: Principles of Organization Learning
CYBR 620: Introduction to Cybersecurity*
CYBR 621: Cyber Warfare
CYBR 622: Global Cyber Capabilities & Trends
CYBR 623: Cybersecurity Law and Policy

Courses marked with an asterisk can be counted as either a management elective or technical elective.

Courses in Engineering, Computer Science, and Information Technology (12 credits)
Chemical/Biochemical Regulatory Engineering
Chemical Engineering
Computer Engineering
Computer Science
Cybersecurity
Electrical Engineering
Environmental Engineering
Health Information Technology
Human Centered Computing
Information Systems
Mechanical Engineering
Systems Engineering

Consult umbc.edu/engm/programmaster for listing of courses in each specialization.

Certificate Program
Post-Baccalaureate Certificate: Engineering Management
4 Required Courses (12 Credits)
ENMG 650: Project Mgmt. Fundamentals
OR
ENMG 668: Project and SE Management
ENMG 652: Management, Leadership and Communications
ENMG 656: Engineering Law and Ethics
ENMG 658: Financial Management

Please consult umbc.edu/engm for schedule.

This academic program is a participant in the U.S. Department of Education Gainful Employment program. For more information, http://ged.finaid.umbc.edu/engm/Gedt.html