

Graduate Programs in ENGINEERING MANAGEMENT

UMBC
AN HONORS UNIVERSITY IN MARYLAND



Master of Science:
Engineering Management

Post-Baccalaureate Certificate:
Engineering Management

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 new 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.
- » 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.
- » The 2017 *U.S. News & World Report Best Colleges* guide ranks UMBC in the top five on its closely-watched Most Innovative Schools list and has recognized UMBC as a global leader in higher education.
- » 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.



umbc.edu/engm

For Program Information:

Dr. Toby Gouker
Assistant Program Director
tgouker@umbc.edu

For Application Information:

Kim Edmonds
Program Coordinator
kedmonds@umbc.edu | 410-455-3445

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
- » GRE scores are not required
- » Letters of recommendation are not required for applicants with a degree from 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

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 661: Leading Virtual/Global Teams
ENMG 663: Advanced Project Management Applications
ENMG 690: Innovation and Technology Entrepreneurship

ENMG 692: Principles of Organization Learning
CYBR 621: Cyber Warfare
CYBR 622: Global Cyber Capabilities & Trends
CYBR 623: Cybersecurity Law and Policy

Courses in Engineering, Computer Science, and Information Technology (12 credits)

Chemical/Biochemical Regulatory Engineering
Chemical Engineering
Computer Engineering
Computer Science
Cybersecurity
Electrical Engineering
Engineering Management (Technical)

Environmental Engineering
Health Information Technology
Human Centered Computing
Information Systems
Mechanical Engineering
Systems Engineering

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.



DPS03152017

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.

umbc.edu/professionalprograms

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