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 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.

?
umbc.edu/engm

For Program Information:
Dr. Thomas Moore
Program Director
mooretg@umbc.edu | 410-455-3617

For Application Information:
Kim Edmonds
Program Coordinator
kedmonds@umbc.edu | 410-455-3445

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 690: Innovation and Technology Entrepreneurship
ENMG 659: Strategic Management	ENMG 692: Principles of Organization Learning
ENMG 660: Systems Engineering Principles*	
ENMG 661: Leading Virtual/Global Teams	CYBR 620: Introduction to Cybersecurity*
ENMG 663: Advanced Project Management Applications	CYBR 621: Cyber Warfare
ENMG 664: Quality Engineering and Management*	CYBR 622: Global Cyber Capabilities & Trends
ENMG 672: Decision and Risk Analysis*	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	Health Information Technology
Chemical Engineering	Human Centered Computing
Computer Engineering	Information Systems
Computer Science	Mechanical Engineering
Cybersecurity	Systems Engineering
Electrical Engineering	
Environmental 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.

DPS04152016