



Are you a motivated engineer seeking to quickly advance in your career?

UMass Engineering Management MS Program

Your Choice: Online, On-Campus, Blended

Elevate your engineering career by building on your technical foundation with sound leadership and decision-making skills, a systems perspective, and hands-on management expertise!

Be an engineering **leader!**

- Broaden your skill set
 - ✓ Management and leadership
 - ✓ Systems engineering
 - ✓ Project management
 - ✓ Engineering decision-making
 - ✓ Optimization and simulation
 - Deepen your engineering expertise
- **Redesigned 30-credit** program → Complete in 1 - 2 years
 - **Flexible schedule**
 - Take up to two courses before enrolling;
 - Continue taking courses on campus, or take courses online while working full time.
 - Many companies support these programs at little or no cost to employees.
 - **Flexible curriculum** requiring both management and technical core courses
 - **Technical/Analytics Core** (choose at least 3)
 - Human Factors Design
 - Principles of Systems Engineering
 - Engineering Economic Decision Making
 - Network Optimization
 - Multi-criteria Decision Making and Decision Analysis
 - Analytics and Statistical Learning
 - Advanced Production Planning
 - **Management Core** (choose at least 3)
 - Financial and Managerial Accounting
 - Strategy-Driven Engineering Innovation
 - Technical Project Management
 - Engineering Leadership and Entrepreneurship
 - Business Law
 - Negotiations
 - **Broad selection of electives** (see <http://www.umasslearn.net/classes> for online electives)
 - Industry practicum and independent study with industry sponsor or faculty adviser
 - Technical courses to deepen your engineering expertise within your field
 - **College of Engineering Courses:** Linear Programming, Non-Linear Programming, Simulation-Based Optimization, Logistics, Windpower Systems, etc.
 - **Isenberg courses:** Leadership and Organizational Behavior, Business Intelligence and Analytics, **Business Data Analysis and Statistical Methods, Operations Management, Supply Chain Analytics, Deterministic and Stochastic Models, etc.**



For more information please visit <https://mie.umass.edu/engineering-management-ms> or contact Prof. Ana Muriel, Program Director, Engineering Management, muriel@umass.edu.