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.umassulearn.net/classes](http://www.umassulearn.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](https://mie.umass.edu/engineering-management-ms) or contact Prof. Ana Muriel, Program Director, Engineering Management, muriel@umass.edu.