Online Master of Science in Engineering Management

PART-TIME • SELF-PACED • 32 CREDITS

**MSEM CORE: PART 1** 8 CREDITS

*A series of 7-week short courses* in which you gain an understanding in how to lead yourself and others in the development of new products or services that meet customer and business needs.

**COURSES INCLUDE:**
- Essentials of Technology Strategy 2 CREDITS
- Leadership: Personal and Team Development 2 CREDITS
- Building Financial Intelligence 2 CREDITS
- Customer Discovery and Solution Design 2 CREDITS

**MILESTONE PROJECT: NEW PRODUCT & SERVICE DEVELOPMENT** 2 CREDITS

*After completing MSEM Core Part 1,* you will apply your learning by working in a small, virtual team to develop the business plan for a new product or service, supported by a faculty advisor. During this integrated team project, you will participate in weekly seminars to learn best practices in product development.

**SEMINAR TOPICS INCLUDE:**
- Intellectual Property
- Project Management
- Communications & Presentation Skills

**MSEM CORE: PART 2** 8 CREDITS

*A series of 7-week short courses* in which you learn to make data-driven decisions and manage change within increasingly complex environments.

**COURSES INCLUDE:**
- Introduction to Data Analytics 2 CREDITS
- Solving Complex Problems through Systems Thinking 2 CREDITS
- Program and Project Management 2 CREDITS
- Leadership: Driving and Managing Change 2 CREDITS

**MILESTONE PROJECT: INDIVIDUAL CAPSTONE LEADERSHIP PROJECT** 2 CREDITS

*After completing MSEM Core Part 2,* you will apply your learning in an individual project for your current employer or a client organization, supported by a faculty advisor.

**ELECTIVES** 12+ CREDITS

*Customize your experience* by selecting courses that best match your interests and career goals. Electives can be completed at any time during your Online MSEM experience. If you’re interested in gaining additional technical expertise concurrently with your MSEM, you can leverage your electives to complete a graduate certificate offered by Tufts School of Engineering.

**COURSES INCLUDE:**
- Any course across Tufts University (100 or 200 level)
- Topical courses offered by Tufts Gordon Institute, including:
  - Applied Data Science
  - Modern Product Management (Intro & Advanced)
  - Operations or Supply Chain Management
- Additional courses to be rolled out each semester.