

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.