

# MS in Engineering Management

## CORE COURSES

18 CREDITS

Through your core coursework you will gain an understanding of how to lead yourself and others in the development of new products or services that meet customer and business needs as well as make data-driven decisions and manage change in complex environments

### CORE PART I

EM 201	<b>Essentials of Technology Strategy</b>	2 CREDITS
EM 202	<b>Leadership: Personal Team Development</b>	2 CREDITS
EM 203	<b>Building Financial Intelligence</b>	2 CREDITS
EM 204	<b>Customer Discovery and Solutions Design</b>	2 CREDITS
EM 295	<b>Graduate Seminar (On-Campus Only)</b>	0 CREDITS

### CORE PART II

EM 206	<b>Introduction to Data Analytics</b>	2 CREDITS
EM 207	<b>Solving Complex Problems Through Systems Thinking</b>	2 CREDITS
EM 208	<b>Program and Project Management</b>	2 CREDITS
EM 256	<b>Essentials of Strategic Management</b>	2 CREDITS
EM 264	<b>Practice of Ethical Leadership</b>	2 CREDITS

## MILESTONE COURSES

4 CREDITS

With your newfound skills and expertise, you will apply your learning in two projects over the course of your MSEM experience.

EM 205\* **New Product and Service Development** 2 CREDITS

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

*\*For EM 205 New Product/Service Development, the pre-requisite courses are EM 201, EM 202, EM 203, and EM 204.*

EM 282 **Individual Capstone Leadership Project** 2 CREDITS

You'll impress your boss and your boss' boss by utilizing what you've learned in the classroom to complete an impactful Capstone Leadership Project in your organization, showing exactly what you're capable of achieving, all while being supported by a faculty advisor.

## ELECTIVE COURSES

10 CREDITS

Discover your passions through a variety of elective courses. Choose from coursework available through Tufts Gordon Institute or leverage from the vast graduate offerings across Tufts University. You can also earn elective credit by participating in immersive experiences where you'll engage in intense, in-person activities with colleagues, faculty, and industry experts over one weekend.

**Modern Product Management**  
**Supply Chain and Operations Management**  
**Sales and Marketing**  
**Lean Six Sigma**

**Data Analytics and Visualization**  
**Prescriptive Analytics**  
**Business Communications**  
**Conflict Resolution**

**Leadership in the Age of Technology**  
**Management Consulting**  
**Creativity, Innovation, and Entrepreneurial Thinking**  
**Innovative Social Enterprises**