Master of Science in Engineering Management

Offered On-Campus and Online

Building transformative leaders for the 4th Industrial Revolution.
The world needs leaders who can influence the future of technology-driven businesses while managing impactful teams with self-awareness, equity, and confidence. Become that trailblazer with Tufts Gordon Institute's Master of Science in Engineering Management (MSEM).

Offered both on campus and online, the MSEM will provide you with the business, strategic, and leadership skills you need to advance your career right now, or kickstart the one you’ve always dreamed of. Whether you’re an individual contributor who wants to break into management or a manager ready to propel yourself into an executive role, our hands-on, real-world curriculum will give you the confidence to push the boundaries of what you thought possible and seize new challenges and opportunities.

Start your tomorrow today with Tufts’ MSEM.

"Tufts MSEM gave me the confidence to take a seat at the table, and it’s really shaped me into the leader I want to be."

Marta Asack, MSEM ’11
Senior Director of Program Management,
Sensata Technologies, Inc.

Think Bigger.
Be Bolder.
The Path to Transformative Leadership

An integrated curriculum that builds leaders.

The MSEM program expands your experience beyond technical skills and into a broad business perspective, helping you develop the leadership capabilities needed to rise to the highest level. You’ll gain expertise that enables you to manage complex projects, drive strategic decision-making, and build and inspire high-performing teams. Unlike a purely technical master’s or MBA program, Tufts’ MSEM offers you the complete package for holistic growth and career development.

A program that fits into your life.

Whether you choose to undertake Tufts’ MSEM on campus or online, you’re selecting a flexible, part-time program that has been carefully cultivated to fit the demanding schedules of forward-thinking technology professionals. One that has been built on 30+ years of award-winning curriculum and a legacy of powerful alumni.

You’ll work with faculty with decades of experience running businesses, start-ups, and global powerhouses, who will work closely with you to ensure your success and provide you with skills you can apply at work tomorrow.

You’ll benefit from personalized coaching and mentoring to discovering your unique management, communication, and interpersonal style to develop an understanding of who you are and who you can become.

You’ll impress your boss, and your boss’s 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.
On-Campus MSEM

Designed for working professionals in the Boston area, the On-Campus MS in Engineering Management program will foster your goal of becoming a leader in a tech-driven world.

Core Courses
The Core Courses are taught by renowned experts who enrich classroom discussions with insights from their extensive industry experience. You’ll take a series of cohort-based short courses over two academic years. Throughout, you’ll gain exposure to topics that you can apply to hands-on projects and put to work immediately in your professional life.

Electives
Choose electives offered by Tufts Gordon Institute like Data Analytics, Modern Product Management or Operations & Supply Chain Management – or explore other interests by choosing electives from across Tufts University. Create your own personalized hybrid experience by selecting on-campus or online courses.*

Real-World Applications
INDUSTRY CONSULTING PROJECT
Completed during the summer between Years 1 and 2, the team practicum presents you with a real-world problem or opportunity from a client organization – often outside your area of expertise. You’ll work as a team with classmates to research, develop strategies, and make recommendations to your client in oral and written reports.

INDIVIDUAL CAPSTONE LEADERSHIP PROJECT
This immersive, 3-6 month project is your chance to put your classroom learning to work for your current employer or a client organization. With the support of your faculty advisor, you’ll lead and manage a large-scale project from start to finish.*

*The Capstone Leadership Project and electives can be completed in Academic Year 2 or subsequent years.

CLICK TO LEARN MORE:
go.tufts.edu/OnCampusMSEM

LOCATION
Tufts University’s campus in Medford, MA

FORMAT
Immersive cohort experience

CURRICULUM
Consists of Core Courses, Electives, and Projects

TIMELINE
Graduate in as little as 2 years

SCHEDULE
Part-time study with evening classes from 6PM – 9PM

YEAR ONE
New Product Development & Business Communications
Project Management & Software Methodologies
Finance and Accounting
Building & Leading Teams
Data Science & Big Data
Experience Design
Business & Technology Strategy
Personal Leadership
Leading Organizations

YEAR TWO
Ethics of Leadership
Conflict Resolution
Practice of Ethical Leadership

TRANSFORMATIVE CORE COURSES

Core Courses
New Product Development & Business Communications
Project Management & Software Methodologies
Finance and Accounting
Building & Leading Teams
Data Science & Big Data
Experience Design
Business & Technology Strategy
Personal Leadership
Leading Organizations

Electives
Data Analytics
Modern Product Management
Operations & Supply Chain Management

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Online MSEM

Designed for working professionals anywhere in the world, the Online MS in Engineering Management program offers the same high-touch engagement and rigorous curriculum as our On-Campus MSEM, with the added benefit of ultimate flexibility.

Core Courses
Taught by the same renowned experts who teach the On-Campus MSEM, the Online Core Courses are partitioned into two segments – all offered 100% online through our state-of-the-art virtual learning portal.

MSEM CORE PART 1
A series of 7-week short courses in which you learn how to lead yourself & others, while using technology to develop new products or services to meet customer and business needs.

MSEM CORE PART 2
A series of 7-week short courses in which you learn to make data-driven decisions and manage change within increasingly complex environments.

Electives
Electives can be completed at any time during your Online MSEM experience. Choose electives that deepen your expertise in Engineering Management like applied data science and product management – or explore your own personal interests by choosing electives from across Tufts University. If you’d like to build additional technical expertise, you can leverage your electives to earn a graduate certificate from Tufts School of Engineering concurrently with your MSEM.

Real-World Applications

MILESTONE PROJECT
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.

INDIVIDUAL CAPSTONE LEADERSHIP PROJECT
After completing MSEM Core Part 2, you’ll put your classroom learning to work for your current employer or a client organization. With the support of your faculty advisor, you’ll lead and manage a large-scale project from start to finish.

CLICK TO LEARN MORE: go.tufts.edu/OnlineMSEM
Learn from the Best

In the MSEM program, you’ll benefit from learning directly from industry leaders, pioneering innovators, and high-tech professionals who have boots-on-the-ground experience managing, creating, and implementing the global future of technology.

What we do

We are building transformative leaders for the 4th Industrial Revolution—people who have the duality of business and technology expertise with a deep understanding of human and organizational needs. Our faculty bring not only decades of knowledge to the MSEM program, but also real-life case studies and personal examples.

Plus, while our faculty continue to run businesses, serve on national boards, and consult for global organizations, they’re also noted academic professionals with decades of wisdom in shaping tomorrow’s leaders.

Why we do it

Technology has permeated every industry you can think of, and we take seriously the job of preparing the workforce of the future—leaders with a common desire to make an impact on the technology that will drive tomorrow’s innovations, all with an eye toward self-awareness, moral reasoning, and ethics.

We’re focused on delivering practical knowledge and skills, so that you can apply at work tomorrow what you learned in class today.

What sets our faculty apart is every one of them has deep industry experiences that provide students with compelling firsthand examples and authentic insight into navigating the ambiguities of the real world.

Kevin Oye

Executive Director of Tufts Gordon Institute; Professor of the Practice

INDUSTRY EXPERIENCE

35+ years leading product development, corporate strategy and acquisition teams, and launching startups in the U.S., China, and India

COMPANIES INCLUDE

AT&T Bell Laboratories, Lucent Technologies, Sycamore Networks, Inc.
Graduate Success Stories

**Become the Leader You Were Born to Be**

**Heather Gaylord**  
MSEM ’13  
Head of the Transformation Management Office, Takeda

“The MSEM program gave me vital soft skills that can be difficult to learn on the job. I can build strong relationships, make course corrections when things are going sideways, and resolve conflicts when they arise. In the end, to be an effective technical leader you need to be able to lead people.”

**Patrick Roach**  
MSEM ’18  
Chief Operating Officer, Scrum Inc.

“The MSEM program was a great playground for exploring real-life dynamics and has made an incredible difference on my ability to have impactful interactions that drive organizational outcomes. By giving me the opportunity to learn on the job, I was able to take things immediately back to work. That put me on the company’s radar more than I was before, but also brought back a lot of value to the organization.”

**Grow Your Resume**

**Sarya Arif**  
MSEM ’17  
Manager, Solution Consulting, IT Transformation, Risk & Security, ServiceNow

“I used to understand only one piece of the puzzle, but now I can see beyond the technical. The MSEM program really elevated my thinking, giving me executive presence and an understanding of the language of business. My return on investment has been 6x, and I’m ready to seize opportunities.”

**George Lee**  
MSEM ’14  
Sr. Director, Development Program Leadership, Xilio Therapeutics

“I learned how to be comfortable in uncomfortable situations. This skill was essential in my successful transition from a well-established multinational pharmaceutical company like Pfizer to a small biotech start-up with an ambiguously complex and dynamic environment.”

**Make Major Career Moves**

**Chris Rafferty**  
MSEM ’18  
Program Manager, Raytheon

“Halfway through the program, I was promoted from an individual contributor to an engineering manager. A year after graduating, I made the leap into a program management role, where there’s a lot of opportunity for growth. I’m now on the path that I’ve always envisioned for myself.”

60% were promoted during the MSEM program.

91% feel the program played a key role in preparing them for leadership positions.

95% feel they’re better positioned for a career change.

95% would recommend the program to others.

98% feel the MSEM was worth the cost in time and money.

Source: Data collected from 2014 – 2019 MSEM graduates
We recognize working professionals have busy schedules. So, we’ve made applying to Tufts’ MSEM as easy as possible with multiple rounds of admissions cycles, no required standardized tests, and a quick admissions decision.

Requirements
- An undergraduate degree
- At least 2 years of work experience, though some students have decades
- A strong performance record on the job
- Two letters of professional recommendation
- GRE/GMAT scores are NOT required

What If I Don’t Have a STEM Degree?
While candidates with a science or technology background are well suited to the MSEM, we welcome applications and perspectives from people with a range of backgrounds. Students join the program from a variety of professional industries, like biopharma, defense, healthcare, and even the non-profit space.

Program Dates
- Online: Fall or spring semester start
- On-Campus: Fall semester start only

For deadlines, visit:
go.tufts.edu/ApplicationDeadlines

A Streamlined Admissions Process


go.tufts.edu/gradadmissions
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Tufts Gordon Institute
200 Boston Avenue
Medford, MA, 02155
GORDON.TUFTS.EDU

“We are committed to providing transformative experiences for students and faculty in an inclusive and collaborative environment where creative scholars generate bold ideas, innovate in the face of complex challenges, and distinguish themselves as active citizens of the world.”

– From the Tufts mission statement