

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

EM 201	Essentials of Technology Strategy	2 CREDITS	EM 206	Introduction to Data Analytics	2 CREDITS
EM 202	Leadership: Personal Development	2 CREDITS	EM 207	Solving Complex Problems Through Systems Thinking	2 CREDITS
EM 203	Building Financial Intelligence	2 CREDITS	EM 208	Program and Project Management	2 CREDITS
EM 204	Customer Discovery and Solution Design	2 CREDITS	EM 209	Essentials of Strategic Management	2 CREDITS
			EM 210	Practice of Ethical Leadership	2 CREDITS
			EM 295	Graduate Seminar (On-Campus Students Only)	0 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.

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

8 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

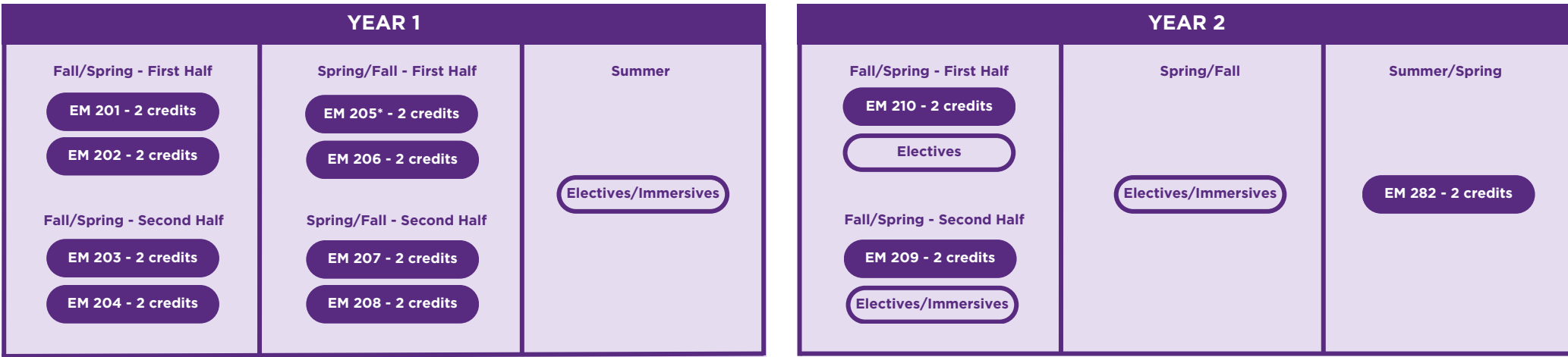
Leadership in the Age of Technology
Management Consulting
Creativity, Innovation, and Entrepreneurial Thinking
Innovative Social Enterprises

MS in Engineering Management

Online / Hybrid Part-time

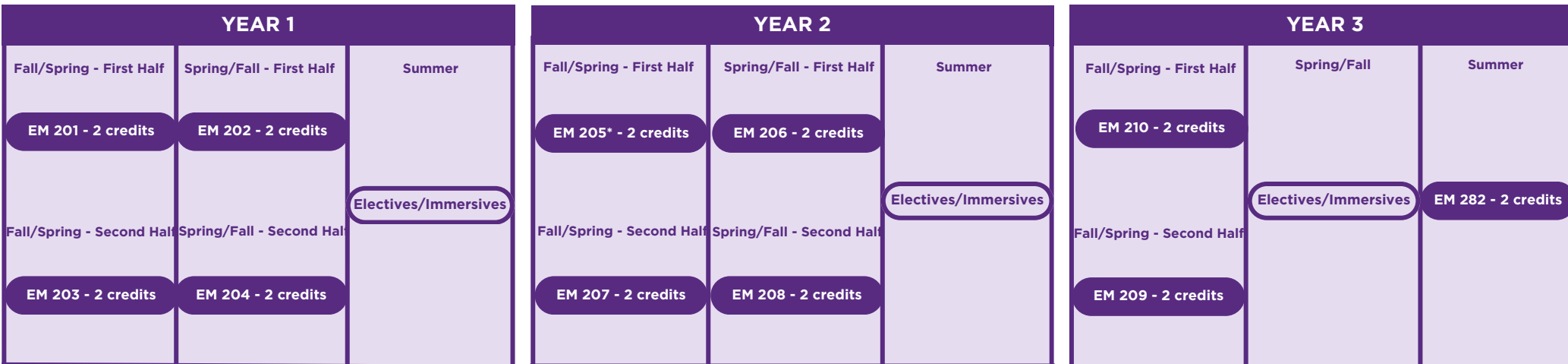
ACCELERATED

Students who elect to complete the program in an accelerated timeline can expect to finish in about 6 semesters, a total of 2 years, as depicted below.



EXTENDED

Students who elect to complete the program in an extended timeline can expect to finish in about 9 semesters, a total of 3 years, as depicted below.



*Please note that for EM 205 New Product and Service Development, the pre-requisite courses are EM 201, EM 202, EM 203, and EM 204.

MS in Engineering Management

On-Campus Full-time

On-Campus Full-time students are enrolled **full-time** and will take a **set schedule** of **in-person core courses**. Elective courses may be completed in-person or online. These students have the added opportunity to complete an **optional Cooperative (Co-op) Education Program** during their degree which will allow them to pursue real-world work experience, to form professional relationships, and to enhance their resumes. The student will choose to follow one of the **two fixed curriculum roadmaps** below.

WITH CO-OP

Students who elect to partake in a co-op while in the program will complete the program in 2 years.

YEAR 1					YEAR 2	
Fall - First Half EM 201 - 2 credits EM 203 - 2 credits EM 208 - 2 credits Fall - Second Half EM 202 - 2 credits EM 204 - 2 credits EM 206 - 2 credits	Fall - Full Semester EM 295 - 0 credits	Spring - First Half EM 205* - 2 credits EM 210 - 2 credits Electives Spring - Second Half EM 207 - 2 credits EM 209 - 2 credits Electives	Spring - Full Semester EM 295 - 0 credits Electives/Immersive	Summer Co-op	Fall Co-op	Spring EM 282 - 2 credits

WITHOUT CO-OP

Students who do not elect to partake in a co-op while in the program can complete the program in less than 2 years (either 12 or 16 months).

YEAR 1				
Fall - First Half EM 201 - 2 credits EM 203 - 2 credits EM 208 - 2 credits Fall - Second Half EM 202 - 2 credits EM 204 - 2 credits EM 206 - 2 credits	Fall - Full Semester EM 295 - 0 credits	Spring - First Half EM 205* - 2 credits EM 210 - 2 credits Electives Spring - Second Half EM 207 - 2 credits EM 209 - 2 credits Electives	Spring - Full Semester EM 295 - 0 credits Electives/Immersives	Summer OR Fall (Year 2) EM 282 - 2 credits

*Please note that for EM 205 New Product and Service Development, the pre-requisite courses are EM 201, EM 202, EM 203, and EM 204.