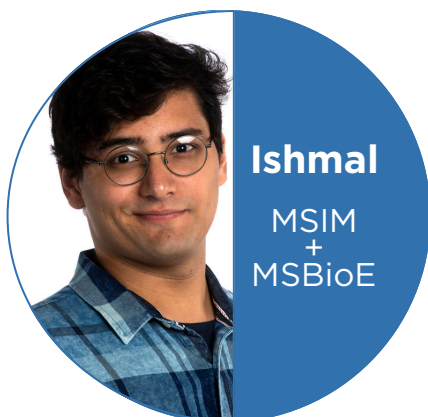


Tufts Dual Degree MS Program

Degree Completion Examples

Browse the profiles below for examples of how past students have completed their Tufts Dual Degree MS program.

Course selection or sequencing of past students is not necessarily reflective of current degree program requirements, so refer to the host department of each degree for the most up to date information about each degree's program requirements.





Conor

MSIM '24, MSBME '25

MS Innovation & Management
+ MS Biomedical Engineering

Conor pursued the Dual Degree program to make an impact in the healthcare field. To do this he needed the understanding of both business operations and innovative growth strategies to effectively serve more customers.

The program helped him realize his passion for operations within healthcare while highlighting how streamlined processes are essential for scaling impact and helping more people.

MS Innovation & Management 30 Credits

Fall 2023 12 Credits

EM 221 New Product Innovation	3 Credits
EM 242 Marketing: Branding and Digital Communications	3 Credits
EM 255 Financial Management in Technology Firms	3 Credits
EM 263 Leading for Impact	3 Credits
EM 292 MSIM Graduate Seminar: Unbounded Perspectives	0 Credits
EM 292 MSIM Graduate Seminar: Career Impact	0 Credits

Spring 2024 15 Credits

EM 212 Applied Data Science	3 Credits
EM 253 Innovation and Technology Strategy	3 Credits
EM 292 MSIM Graduate Seminar: Unbounded Perspectives	0 Credits
EM 222 Modern Product Management	2 Credits
EM 276 Immersive Experience: Leadership	1 Credit
BME 162 Molecular Biotechnology	3 Credits
BME 176 3D Printing the Human Body	3 Credits

Summer 2024 3 Credits

EM 281 Capstone Innovation & Leadership Project	3 Credits
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MS Biomedical Engineering 30 Credits

12 Credits Double Counted from MSIM

Fall 2024 9 Credits

BME 153 Bioelectricity	3 Credits
BME 153 Biomaterials and Regenerative Medicine	3 Credits
BME 250 Principles of Biomedical Engineering	3 Credits

Spring 2025 9 Credits

BME 166 Computer Interface Design	3 Credits
BME 173 Cellular Agriculture & Biofabricated Foods	3 Credits
BME 184 BME Entrepreneurship & Strategy	3 Credits



Juan

MSIM '25, MSCEE '26

MS Innovation & Management
+ MS Civil & Environmental
Engineering

Juan choose the dual degree
program because he wanted to
continue his undergraduate study in
environmental engineering but was
excited to add the fun challenge of
an innovation sprint!

MS Innovation & Management 30 Credits

Fall 2024 12 Credits

EM 221 New Product Innovation	3 Credits
EM 242 Marketing: Branding and Digital Communications	3 Credits
EM 255 Financial Management in Technology Firms	3 Credits
EM 263 Leading for Impact	3 Credits
EM 292 MSIM Graduate Seminar: Unbounded Perspectives	0 Credits
EM 292 MSIM Graduate Seminar: Career Impact	0 Credits

Spring 2025 15 Credits

EM 212 Applied Data Science	3 Credits
EM 253 Innovation and Technology Strategy	3 Credits
EM 292 MSIM Graduate Seminar: Unbounded Perspectives	0 Credits
BIO 164 Marine Biology	3 Credits
CEE 214 Environmental & Water Resource Systems	3 Credits
CEE 265 Corporate Management of Environmental Issues	3 Credits

Summer 2025 3 Credits

EM 281 Capstone Innovation & Leadership Project	3 Credits
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MS Civil & Environmental Engineering 30 Credits
12 Credits Double Counted from MSIM

Fall 2025 9 Credits

CEE 111 Hydrology of the Built Environment	3 Credits
CEE 143 Site Remediation	3 Credits
CEE 187 Geographical Information Systems	3 Credits

Spring 2026 9 Credits

CEE 211 Physical Hydrology	3 Credits
CEE 212 Chemical Principles in EWRE	3 Credits
ES 101 Numerical Methods	3 Credits



Jules

MSIM '24, MSDS '25
MS Innovation & Management
+ MS Data Science

Jules chose to do the dual degree program to understand a broader perspective on what it takes to run a company and enhance his potential for upward mobility later in his career.

Jules chose his elective courses to expand his technical skills in both the climate and biotech industries, while focusing on data science specific skills for a future role.

MS Innovation & Management31 Credits

Fall 202312 Credits

EM 221 New Product Innovation	3 Credits
EM 242 Marketing: Branding and Digital Communications	3 Credits
EM 255 Financial Management in Technology Firms	3 Credits
EM 263 Leading for Impact	3 Credits
EM 292 MSIM Graduate Seminar: Unbounded Perspectives	0 Credits
EM 292 MSIM Graduate Seminar: Career Impact	0 Credits

Spring 202416 Credits

EM 212 Applied Data Science	3 Credits
EM 240D Globalization & Multinational Strategy	2 Credits
EM 253 Innovation and Technology Strategy	3 Credits
EM 292 MSIM Graduate Seminar: Unbounded Perspectives	0 Credits
MATH 165 Probability	4 Credits
CS 160 Algorithms	4 Credits

Summer 20243 Credits

EM 281 Capstone Innovation & Leadership Project	3 Credits
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MS Data Science34 Credits
8 Credits Double Counted from MSIM

Fall 202413 Credits

CS 115 Database Systems	3 Credits
CS 135 Introduction to Machine Learning and Data Mining	3 Credits
DS 169 Statistical Bioinformatics	3 Credits
MATH 166 Statistics	4 Credits

Spring 202513 Credits

CS 119 Big Data	4 Credits
UEP 253 Financial Analysis & Management	3 Credits
CS 167 Computational Biology	3 Credits
DS 143 Data Science for Sustainability	3 Credits



Gabby

MSIM '24, MSEE '25

MS Innovation & Management + MS Electrical Engineering

Gabby chose the dual degree program to deepen her understanding of the business side of engineering companies and to explore how she could channel her engineering knowledge into a startup— either by starting or working for one.

The program opened Gabby up to more job opportunities including roles in product management, project management, and business development.

MS Innovation & Management

30 Credits

Fall 2023

12 Credits

EM 221 New Product Innovation	3 Credits
EM 242 Marketing: Branding and Digital Communications	3 Credits
EM 255 Financial Management in Technology Firms	3 Credits
EM 263 Leading for Impact	3 Credits
EM 292 MSIM Graduate Seminar: Unbounded Perspectives	0 Credits
EM 292 MSIM Graduate Seminar: Career Impact	0 Credits

Spring 2024

15 Credits

EM 212 Applied Data Science	3 Credits
EM 253 Innovation and Technology Strategy	3 Credits
EM 292 MSIM Graduate Seminar: Unbounded Perspectives	0 Credits
EE 193 Special Topics: Advanced Embedded Systems	3 Credits
EE 201 Fundamentals of Computer Systems & Engineering	3 Credits
ENP 166 Computer Interface Design	3 Credits

Summer 2024

3 Credits

EM 281 Capstone Innovation & Leadership Project	3 Credits
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MS Electrical Engineering

31 Credits

12 Credits Double Counted from MSIM

Fall 2024

10 Credits

EE 191 Electrical Engineering Seminar	2 Credits
EE 193 Special Topics: Real-time Embedded Systems	3 Credits
EE 199 Internship	2 Credits
EE 200 A Machine-Centric Approach to Programming, Data Structures and Algorithms	3 Credits

Spring 2025

9 Credits

EE 147 Analog and Mixed Signal Mos Integrated Circuit Design	4 Credits
EE 192 Electrical Engineering Seminar	2 Credits
EE 199 Internship	3 Credits



Ishmal

MSIM '20, MSBioE '21

MS Innovation & Management + MS Bioengineering

Ishmal chose the dual degree program because it allowed him to simultaneously expand into Bioengineering and Innovation and Management. Both endeavors significantly expanded his career aspirations down the road.

While the program helped him catch the eyes of recruiters, the impact that matters most to him is being able to communicate effectively with people across a much wider breadth of industries than if he had pursued only one degree or the other.

MS Innovation & Management

30 Credits

Fall 2019

12 Credits

EM 221 New Product Innovation	3 Credits
EM 242 Marketing: Branding and Digital Communications	3 Credits
EM 255 Financial Management in Technology Firms	3 Credits
EM 263 Leading for Impact	3 Credits
EM 292 MSIM Graduate Seminar	0 Credits

Spring 2020

15 Credits

EM 212 Applied Data Science	3 Credits
EM 253 Innovation and Technology Strategy	3 Credits
EM 292 MSIM Graduate Seminar	0 Credit
EM 294 Special Topics: Negotiation & Conflict Resolution	2 Credits
EM 294 Special Topics: Managing Operations	1 Credits
BME 154 Tissue Engineering and Regenerative Medicine	3 Credits
BME 262 Molecular Biotechnology	3 Credits

Summer 2020

3 Credits

EM 281 Capstone Innovation & Leadership Project	3 Credits
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MS Bioengineering

30 Credits

6 Credits Double Counted from MSIM

Fall 2020

11 Credits

BIO 291 Masters in Bioengineering Seminar I	2 Credits
BME 143 Biological Systems Analysis	3 Credits
ME 130 Digital Control of Dynamic Systems	3 Credits
ME 134 Robotics	3 Credits

Spring 2021

13 Credits

BIOE 292 Masters in Bioengineering Seminar II	1 Credit
ME 121 Advanced Dynamics	3 Credits
ME 125 Mechanics of Materials at the Micro & Nano Scale	3 Credits
ME 193 Special Topics: Assistive Design	3 Credits
ME 193 Special Topics: GPS & Inertial Nav Auto Vehicl	3 Credits

Double Counted
For both MS Degrees

MSIM Only

MSBioE Only



Kendrick

MSIM '23, MSME '24

MS Innovation & Management + MS Mechanical Engineering

Kendrick chose the dual degree because he wanted a broader perspective on product development that included not just R&D, but also customer discovery, marketing, and finance. The program made Kendrick a more complete engineer.

While he enjoys technical work, he is drawn to interdisciplinary environments where technical, managerial, and soft skills all come into play.

MS Innovation & Management 32 Credits

Fall 2023	12 Credits
EM 221 New Product Innovation	3 Credits
EM 242 Marketing: Branding and Digital Communications	3 Credits
EM 255 Financial Management in Technology Firms	3 Credits
EM 263 Leading for Impact	3 Credits
EM 292 MSIM Graduate Seminar: Unbounded Perspectives	0 Credits
EM 292 MSIM Graduate Seminar: Career Impact	0 Credits

Spring 2023	17 Credits
EM 212 Applied Data Science	3 Credits
EM 253 Innovation and Technology Strategy	3 Credits
EM 262 Conflict Resolution	2 Credits
EM 292 MSIM Graduate Seminar: Unbounded Perspectives	0 Credits
ME 121 Advanced Dynamics	3 Credits
ME 134 Robotics	3 Credits
ME 194 Special Topics: Assistive Design	3 Credits

Summer 2023	3 Credits
EM 281 Capstone Innovation & Leadership Project	3 Credits

MS Mechanical Engineering 30 Credits

12 Credits Double Counted from MSIM

Fall 2023	9 Credits
CS 138 Reinforcement Learning	3 Credits
ME 130 Digital Control of Dynamic Systems	3 Credits
ME 140 Inventive Design	3 Credits
ME 291 Graduate Seminar	0 Credits

Spring 2024	9 Credits
CS 135 Introduction to Machine Learning and Data Mining	3 Credits
ES 101 Numerical Methods	3 Credits
ME 294 Master's Project	3 Credits



Sarah

MSIM '25, MSHFE '26

*MS Innovation & Management
+ MS Human Factors Engineering*

Sarah chose the dual degree program because she wanted to pursue her interests in human-centered design and engineering.

She picked electives that allowed her to gain hands-on experience in product development, healthcare innovation, and real user needs. She wanted to build things that could actually help people, and learn from experts in these fields at Tufts and beyond.

MS Innovation & Management 30 Credits

Fall 2024 12 Credits

EM 221 New Product Innovation	3 Credits
EM 242 Marketing: Branding and Digital Communications	3 Credits
EM 255 Financial Management in Technology Firms	3 Credits
EM 263 Leading for Impact	3 Credits
EM 292 MSIM Graduate Seminar: Unbounded Perspectives	0 Credits
EM 292 MSIM Graduate Seminar: Career Impact	0 Credits

Spring 2025 15 Credits

EM 212 Applied Data Science	3 Credits
EM 253 Innovation and Technology Strategy	3 Credits
EM 276 Immersive Experience: Leadership	1 Credits
EM 292 Graduate Seminar: Unbound Perspectives	0 Credits
ENP 109 Medical Technology Development	3 Credits
ME 141 Assistive Design	3 Credits
TML 222 Modern Product Management	2 Credits

Summer 2025 3 Credits

EM 281 Capstone Innovation & Leadership Project	3 Credits
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MS Human Factors Engineering 30 Credits

12 Credits Double Counted from MSIM

Fall 2025 9 Credits

ENP 162 Human-machine System Design	3 Credits
ENP 164 Applied Behavioral Statistics for Engineering	3 Credits
ENP 264 Advanced Research Methods in HFE	3 Credits
ME 291 Graduate Seminar Human Factors Engineering	0 Credits

Spring 2026 9 Credits

ENP 166 Computer-Interface Design	3 Credits
ME 292 Graduate Seminar	3 Credits
OTS 108 Assistive Technology Innovations	3 Credits



Alisalee

MSIM '25, MSCS '26

MS Innovation & Management + MS Computer Science

After working in industry for a year, Alisalee chose to do the dual degree program to build her skills in understanding people, strategy and business impact while staying grounded in technical expertise.

The program led her to explore roles where she could translate end user needs and desires into clear direction for engineering teams.

MS Innovation & Management

30 Credits

Fall 2024

12 Credits

EM 221 New Product Innovation	3 Credits
EM 242 Marketing: Branding and Digital Communications	3 Credits
EM 255 Financial Management in Technology Firms	3 Credits
EM 263 Leading for Impact	3 Credits
EM 292 MSIM Graduate Seminar: Unbounded Perspectives	0 Credits
EM 292 MSIM Graduate Seminar: Career Impact	0 Credits

Spring 2025

15 Credits

EM 212 Applied Data Science	3 Credits
EM 253 Innovation and Technology Strategy	3 Credits
EM 292 MSIM Graduate Seminar: Unbounded Perspectives	0 Credits
TML 193 Special Topics: Lean Software Leadership	3 Credits
CS 116 Introduction to Security	3 Credits
CS 171 Human Computer Interaction	3 Credits

Summer 2025

3 Credits

EM 281 Capstone Innovation & Leadership Project	3 Credits
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MS Computer Science

30 Credits

12 Credits Double Counted from MSIM

Fall 2025

12 Credits

CS 117 Internet-scale Distributed Systems	3 Credits
CS 121 Software Engineering	3 Credits
CS 150 Special Topics: Quantum Computer Science	3 Credits
CS 151 Special Topics: Software Perf Eng	3 Credits

Spring 2026

6 Credits

CS 120 Web Programming and Engineering	3 Credits
CS 135 Intro to Machine Learning and Data Mining	3 Credits

Double Counted
For both MS Degrees

MSIM Only

MSCS Only