



MASTER OF ENGINEERING IN ENGINEERING MANAGEMENT

PROGRAM OVERVIEW

The Online Master of Engineering in Engineering Management (MEM) provides students with a strong understanding of how to create, manage and apply technology to engineering projects. Students build their expertise in both technical disciplines and people management through a holistic learning approach, and bring value to their respective enterprises. As an engineering management student, hone the skills you need to:

- Leverage advanced techniques and analysis to estimate and use cost information in decision making
- Form and manage an effective engineering design team in a business environment.
- Handle and process information using tools such as Python.
- Master the fundamentals of systems dynamics and build system dynamic models.

ABOUT STEVENS

Situated on the Hudson River, just 15 minutes away from downtown Manhattan, Stevens is across the river from one of the world's most innovative cities and largest tech hubs. Our online degrees offer a groundbreaking curriculum influenced by the corporate headquarters and bustling tech startups right next door, no matter your location. Many of our graduates find opportunities with some of the biggest names in business and technology, including Google, Amazon, Microsoft and Bloomberg.

THE STEVENSONLINE ADVANTAGE

Our 100% online programs are designed to provide the same quality as our highly ranked on-campus programs. We offer relevant courses, renowned faculty and individualized support to each student.

Additional benefits of our StevensOnline programs:

- Global cohort of classmates to learn with and from
- Direct access to experienced faculty
- Flexibility for how and where you study

Through our online offerings, you will gain access to the same quality programs and distinguished faculty as on-campus students.

QUICK FACTS

30
CREDIT HOURS

10
COURSES

2
CONCENTRATIONS

**PROGRAM
STARTS**

FALL, SPRING, SUMMER

**2 YEARS
OR LESS**
COMPLETION TIME*

\$1,776
PER CREDIT**

GRE/GMAT
NOT REQUIRED

*Completion time may vary based on the number of credits taken each semester.

**Tuition and fees are subject to change annually. Additional program fees may apply.



OUR MEM BY THE NUMBERS

#9

IN THE NATION

Recognized as the No. 9 Online Master's in Engineering Management in the country by U.S. News & World Report (2022).

#14

IN THE U.S.

Ranked among the "Best Value Colleges" for 20-year return on investment by Payscale (2021).*

#13

IN THE NATION

Recognized as one of the Top 20 U.S. Private Schools for Best Career Placement by The Princeton Review (2022).

100%

EMPLOYMENT

Percentage of MEM graduates in the Class of 2021 who accepted job offers within three months of graduating.**

#1

IN N.J.

Named the No. 1 Online Master's in Engineering Program at a N.J. school (U.S. News & World Report, 2022).

*Based on the cost of a four-year bachelor's degree program.

**Based on data from 63% of spring 2021 full-time program graduates.

COURSEWORK

Online MEM students take coursework built on three pillars: management for engineers, data science and management, and engineering modeling and risk analysis. Students choose between concentrations in Managerial Analytics or Supply Chain and Logistics Management to develop proficiency in leading engineering technology and management techniques.* All courses are three credit hours.

Term 1		Term 2		Term 3	
Engineering Economics and Cost Analysis		Elements of Operations Research		Systems Modeling and Simulation	
Project Management of Complex Systems		Informatics for Engineering Management		Decision and Risk Analysis	
Term 4**			Term 5**		
Leader Development			Capstone		
Data Analysis and Visualization Techniques for Decision Making	System Supportability and Logistics		Data Science and Knowledge Discovery in Engineering Management	Forecasting and Demand Modeling Systems	
KEY	CORE COURSES	MANAGERIAL ANALYTICS ELECTIVES	SUPPLY CHAIN AND LOGISTICS MANAGEMENT ELECTIVES		

*Applicants are not required to select a program concentration during the application process.

**Students lacking sufficient statistics coursework in their academic background will be required to take Probability and Statistics for Systems Engineering in lieu of an elective course in term 4 or term 5. Once enrolled, students will work with a student support coach to determine which courses to take.

CAREER OUTLOOK

Graduates of the Online MEM program bring a blend of interpersonal and technical skills to a variety of engineering and engineering leadership roles. Prospective occupations include:

JOB TITLE	EMPLOYED	MEDIAN ANNUAL EARNINGS
Architectural and Engineering Manager	197,000	\$150,000
Industrial Production Manager	179,000	\$109,000
Materials Engineer	25,000	\$96,000
Industrial Engineer	295,000	\$89,000

Source: Lightcast Labor Market Data, 2021. Numbers rounded to the nearest thousand.

READY TO LEARN MORE?

START YOUR APPLICATION

Email our enrollment team or call 551.222.0379 for a one-on-one consultation to discuss admissions requirements, financial aid and more.