



# 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 manage in an engineering and technical enterprise. The program equips engineers with the education they need to be successful managers in their fields through a holistic learning approach. 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 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

**4**

FOCUS AREAS

**PROGRAM  
STARTS**

FALL, SPRING, SUMMER

**2 YEARS  
OR LESS**

COMPLETION TIME\*

**NO GRE/GMAT  
REQUIRED**

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



## OUR MEM BY THE NUMBERS

### No. 12

**IN THE NATION**

Recognized as the No. 12 Online Master's in Engineering Management in the country by *U.S. News & World Report* (2023).

### No. 15

**IN THE U.S.**

Ranked among the Best Value Colleges for 20-year return on investment by PayScale (2023).\*

### No. 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.\*\*

### No. 1

**IN N.J.**

Named the No. 1 Online Master's in Engineering Program at a N.J. school by *U.S. News & World Report* (2023).

\*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 may take up to four courses that focus on a particular area of their choice — Construction Management, Mechanical Engineering, Electrical Engineering, and Systems & Software Engineering — upon reviewing the specific courses with the faculty advisor or program director.\* 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	Data Exploration and Informatics for Engineering Management	Decision and Risk Analysis
Term 4**	Term 5**	
Leader Development	Capstone	
Elective	Elective	
KEY	CORE COURSES	DEVELOPMENT COURSES
		ELECTIVE COURSES

\*Applicants are not required to select a focus area 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 terms 4 or 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	201,500	\$159,920
Industrial Production Manager	222,100	\$107,560
Materials Engineer	22,300	\$100,140
Industrial Engineer	327,300	\$96,350

Source: U.S. Bureau of Labor Statistics, 2023.

## READY TO LEARN MORE?

**START YOUR APPLICATION**

[Email our enrollment team](#) or call **551.277.2702** for a one-on-one consultation to discuss admissions requirements, financial aid and more.