

Apply Systems Thinking and Leadership Skills to Solve Complex Issues

In a world of rapid change and technology evolution, today's challenges are increasingly complicated—and so are the solutions required to meet them. Leveraging the strengths of two industry leaders—Georgetown University and Stevens Institute of Technology—the Master of Professional Studies in Systems Engineering Management (SEM) offers a powerful blend of engineering principles and leadership skills. The program emphasizes a deeper understanding of the technical and social issues driving large-scale humanitarian, technological, and governmental change. Students learn from top industry experts as they study complex systems around the world and develop the skills needed to address emerging challenges.

PROGRAM FEATURES

The SEM program immerses students at the intersection of management and engineering, preparing them to create solutions and affect change in today's complex world.

Design Solutions. Students use systems engineering tools and technologies in order to solve complex problems in the federal government, at large-scale corporations, and for humanitarian efforts.

Interdisciplinary Approach. Rooted in application, the program integrates both the leadership and the technical skills essential to executing and managing high-level projects.

Management Development. Students master the strategies needed to seamlessly lead people, teams, and organizations while using resources more efficiently.

Leading Experts. The faculty consists of systems engineering professionals in fields such as technology, government, nonprofits, and telecommunications, who bring their experience to the classroom.

A Unique Partnership. Students develop management and leadership skills from Georgetown University while gaining top engineering and technology expertise from the Stevens Institute of Technology.

CAREER OUTLOOK

A master's degree in Systems Engineering Management opens the door to a wide range of career options. Employees working in this field must be strategic decision-makers who possess strong communication and leadership skills and can successfully manage complex, versatile systems.

Georgetown's program equips students with a complete toolset that allows them to work across disciplinary boundaries, enabling endless career possibilities and placing them in high demand in a growing marketplace.

ARE YOU A VETERAN?

Georgetown is proud to support the VA Yellow Ribbon Benefit. Learn more at scs.georgetown.edu/admissions/for-veterans



CURRICULUM

The Master of Professional Studies in Systems Engineering Management degree requires 10 courses (30 credits total) to complete, including:

Core Courses (Required)

6 credits

- Ethics
- Capstone

Foundational Courses (Required)

12 credits

- Fundamentals of Systems Engineering
- System Architecture and Design
- Systems Integration
- Project Management of Complex Systems

Elective Courses

12 credits

Students can choose from a range of elective focus areas, including decision management, data systems, organizational complexity/change management, public sector, financial systems, and healthcare systems.

WHO SHOULD APPLY?

- **Technical:** Engineers and professionals in technical fields who want to move into management roles while expanding their systems thinking capabilities.
- **Non-Technical:** Professionals in non-technical roles (e.g., analysts, advisors, consultants, project managers) who want to develop strategic systems thinking abilities that will allow them to work on technical teams.

EARN YOUR
MASTER'S DEGREE IN
Systems Engineering
Management

APPLICATION DEADLINES

Visit our admissions page for more information about application deadlines and applying online.

TUITION

Educational expenses are assessed each semester based on the number of credits for which you are registered. Visit our website for current tuition rates.

FOR APPLICATION INFORMATION AND TO APPLY, VISIT:
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