

THE GEORGE  
WASHINGTON  
UNIVERSITY

WASHINGTON, DC

# DOCTOR OF PHILOSOPHY

## *Systems Engineering*

[online.engineering.gwu.edu](https://online.engineering.gwu.edu)



### PROGRAM OVERVIEW

This online Ph.D. program emphasizes a multidisciplinary approach, teaching students to design and manage intricate systems, blend theoretical and applied aspects of engineering, management, and technical skill application. The program aims not only to deepen students' expertise in systems engineering but also to cultivate their analytical, leadership, and research skills, preparing them for roles as innovators and leaders in academia, industry, and research institutions.

### ON-CAMPUS QUALITY

Get a high-quality GWU Engineering degree wherever you are, delivered by world-class faculty.

### ENHANCE YOUR CAREER

Grow a global network through a top-tier engineering program. Boost your professional potential!

### SAVE MONEY

Tuition is significantly less than on-campus. Plus, any textbook and software you need is included in your tuition.

### APPLYING IS EASY

GRE is not required (but can enhance your application) and there are no application fees.

Nationally-ranked program  
**#11 BY U.S. NEWS**



• [online.engineering.gwu.edu](https://online.engineering.gwu.edu)

• [sedoctorate@gwu.edu](mailto:sedoctorate@gwu.edu)

• 833-330-1454

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### CURRICULUM

The program consists of 24 credit hours of coursework and 30 credit hours of research, totaling the 54 credit hours required for completion. The entire program is offered online and class attendance is required. Tuition is \$1,650 per credit hour for 2024-2025.

### COURSE LIST

- EMSE 6420 Uncertainty Analysis in Cost Engineering
- EMSE 6760 Discrete Systems Simulation
- EMSE 6765 Data Analysis for Engineers and Scientists
- EMSE 6807 Advanced Systems Engineering
- EMSE 6817 Model-based Systems Engineering
- EMSE 6848 Systems of Systems
- EMSE 6850 Quantitative Models in Systems Engineering
- EMSE 8000 Research Formulation
- EMSE 8999 Dissertation Research

We want to see you  
**SUCCEED**



Our office takes care of your course registration and planning. This is just one example of our commitment to supporting you throughout your program. Questions? Let us know!