

THE GEORGE
WASHINGTON
UNIVERSITY

WASHINGTON, DC

online.engineering.gwu.edu

MASTER OF SCIENCE

Systems Engineering



100% LIVE ONLINE

Courses are offered synchronously and asynchronously. Tests are conducted online. Learn on your schedule.

ENHANCE YOUR CAREER

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

PROGRAM OVERVIEW

The online program develops comprehensive technical and leadership skills necessary for the successful design, integration, and lifecycle management of large, complex systems. The STEM-focused curriculum emphasizes systems thinking while also incorporating essential business skills for advancing into senior positions within technical organizations. Students acquire expertise in leading multidisciplinary teams and in designing, implementing, and refining a wide array of systems.

AFFORDABLE

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

• onlineengineer@gwu.edu

• 833-330-1454

THE GEORGE
WASHINGTON
UNIVERSITY

WASHINGTON, DC

online.engineering.gwu.edu

MASTER OF SCIENCE

Systems Engineering



CURRICULUM

Each of the 12 courses in the program is three credits, totaling the 36 credit hours required for completion. The program's online format offers both synchronous and asynchronous options, lets students take multiple courses in a term if they choose, and allows students to start during any session. This format lets students fit their education to their individual needs. Tuition is \$1,200 per credit hour for the 2024-2025 academic year.

COURSE LIST

- EMSE 6001 Management of Technical Organizations
- EMSE 6020 Decision Making with Uncertainty
- EMSE 6099 Problems in Engineering Management and Systems Engineering Capstone
- EMSE 6410 Survey of Finance and Eng. Economics
- EMSE 6801 Systems Engineering I
- EMSE 6805 Systems Engineering II
- EMSE 6810 Systems Analysis and Management
- EMSE 6815 Requirements Engineering
- EMSE 6817 Model-Based Systems Engineering
- EMSE 6820 Program and Project Management
- EMSE 6825 Project Cost and Quality Management
- EMSE 6840 Applied Enterprise Systems Engineering

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!