

# MASTER OF SCIENCE IN THE FIELD OF SYSTEMS ENGINEERING (STEM, ONLINE)

## Assigned courses

Four courses (12 credits) assigned by the advisor.

The online master of science in systems engineering degree prepares professionals to leverage the latest methods and tools to achieve organizational objectives. The program provides hands-on experience in applying a systems approach to major projects, using software and allocating resources to meet specific requirements. Students see how architecting concepts and practices can be employed on the large scale demanded by commercial businesses and federal departments.

This is a STEM designated program.

- Visit the program website (<https://online.engineering.gwu.edu/online-master-science-systems-engineering/>) for additional information
- Download a free brochure (<https://online.engineering.gwu.edu/sites/g/files/zaxdzs5816/files/2024-03/ms.systems.2024.pdf>)
- Begin your application (<https://online.engineering.gwu.edu/apply/>)

## REQUIREMENTS

The following requirements must be approved: 36 credits, including 24 credits in required courses and 12 credits in courses assigned by the advisor.

Code	Title	Credits
<b>Required</b>		
Core courses		
EMSE 6020	Decision Making with Uncertainty	
EMSE 6099	Problems in Engineering Management and Systems Engineering	
EMSE 6801	Systems Engineering I	
EMSE 6820	Program and Project Management	
Other required courses		
EMSE 6001	The Management of Technical Organizations	
EMSE 6410	Survey of Finance and Engineering Economics	
EMSE 6810	Systems Analysis and Management	
EMSE 6825	Project Cost and Quality Management	