

# GRADUATE CERTIFICATE IN SYSTEMS MANAGEMENT

Systems management combines the study of systems engineering with that of engineering management. Students in the program complement their technical knowledge with managerial skill and learn how to lead the process of change in technically-oriented organizations. The program also helps managers to apply the power of systems engineering to administering their enterprise. The combined study of systems and management affords engineers an understanding of managerial roles, and equips managers to formulate, analyze, and execute decisions in engineering, technical and other scientific organizations. If successfully completed, students may apply the 12 credits earned in this certificate program toward the 36-credit master of science in the field of systems engineering (<https://bulletin.gwu.edu/engineering-applied-science/engineering-management-systems-engineering/systems-engineering-ms/>) degree.

Visit the Department of Engineering Management and Systems Engineering website (<https://www.emse.seas.gwu.edu/graduate-certificates/#se>) for additional program information.

## REQUIREMENTS

Visit the program website (<https://graduate.seas.gwu.edu/graduate-certificate-systems-engineering/>) for additional information.

The following requirements must be fulfilled: 12 credits in required courses.

Code	Title	Credits
<b>Required</b>		
Courses must be taken in the following sequence:		
EMSE 6801	Systems Engineering I	
EMSE 6810	Systems Analysis and Management	
EMSE 6815	Requirements Engineering	
EMSE 6817	Model-Based Systems Engineering	