

## SYSTEMS ENGINEERING

# SPECIALIZATION TRACK SUBSTITUTION OPTION

One of the following graduate certificates may be substituted for a specialization track with the permission of the program director.

### Civil and Environmental

Contemporary Structural Engineering  
Geoenvironmental Engineering  
Geotechnical Earthquake Engineering  
Infrastructure Renewal  
Project Engineering and  
Construction Management

### Computer Science

Big Data Management and Analytics  
Big Data Management and Security  
Computational Intelligence  
Cyber Security  
Information Systems & Cloud Computing  
Wireless Networks and Mobile Systems

### Electrical and Computer Engineering

Advanced Control Systems  
Automation Engineering and PLC  
Computational Intelligence  
Electric Machines and Drives  
Electric Power Systems Engineering  
Information Assurance & Security  
Officer Essentials  
Cyber Physical Systems

### Engineering Management

Engineering Management  
Financial Engineering  
Lean Six Sigma  
Project Engineering and  
Construction Management  
Project Management  
Safety Engineering

### Manufacturing Engineering

CAD/CAM & Rapid Product Realization  
Manufacturing Systems

### Mechanical and Aerospace Engineering

Composite Materials and Structures  
Control Systems  
Energy Conversion & Transport  
Engineering Mechanics  
Manufacturing Automation

*Please refer to <https://distance.mst.edu/distance-programs/distance-graduate-certificates/> for a graduate certificate that you are interested in to share with your advisor.*