

SYSTEMS ENGINEERING (M.S. ONLINE)

Select 6 credits of elective courses.

6

Total Credits

30

The M.S. in Systems Engineering program aims to provide specialized skills and training engineers will need to address subjects related to systems engineering according to the standard set by the International Council on Systems Engineering in an online instruction method. The program offers two concentrations: 1) General Commercial Systems, and 2) Defense Systems.

Admission Requirements

Admission to the M.S. in Systems Engineering is contingent upon admission to the Graduate School (<http://bulletins.wayne.edu/graduate/general-information/admission/>). Students must have a bachelor's degree or the equivalent in Engineering from an accredited college or university. Students from all science, technology, engineering, and math (STEM) disciplines will be considered for admission. Professional experience will be considered in admission.

Program Requirements

The M.S. in Systems Engineering is offered in an entirely online format. The program requires students to complete a minimum of thirty credits in course work. There will be two concentrations: General Commercial Systems and Defense Systems. Both concentrations offer a thesis option. All coursework must be completed in accordance with the regulations of the Graduate School (<http://bulletins.wayne.edu/graduate/general-information/academic-regulations/>) and the College of Engineering (<http://bulletins.wayne.edu/graduate/college-engineering/academic-regulations/>).

General Commercial Systems Concentration

Code	Title	Credits
Core Courses		
IE 6405	Integrated Product Development	3
IE 6270	Engineering Experimental Design	3
SYE 6490	Introduction to Systems Engineering in Design	3
SYE 7495	Systems Engineering Capstone	3
Concentration Course		
SYE 6491	Systems Engineering Thinking and Concepting	3
Elective Courses		
Select 15 credits of elective courses.		15
Total Credits		30

Defense Systems Concentration

Code	Title	Credits
Core Courses		
IE 6405	Integrated Product Development	3
IE 6270	Engineering Experimental Design	3
SYE 6490	Introduction to Systems Engineering in Design	3
SYE 7495	Systems Engineering Capstone	3
Concentration Courses		
SYE 6491	Systems Engineering Thinking and Concepting	3
SYE 6492	Adaptive Acquisition	3
SYE 7491	Systems Engineering Processes – Early to Mid-Design	3
SYE 7492	Systems Engineering Processes – Late to Post-Design	3
Elective Courses		