SYSTEMS ENGINEERING

Degree Requirements

Master of Engineering (M.Eng.)

Requirements listed here are in addition to Graduate Council policies listed under GCAC-700 Professional Degree Policies (http://gradschool.psu.edu/graduate-education-policies/).

The M. Eng. in Systems Engineering degree is conferred upon students who earn a minimum of 36 credits of course work while maintaining an average grade-point average of 3.0 or better in all course work, including at least 18 credits at the 500 or 800 level (with at least 6 credits at the 500 level}. The program curriculum includes 18 credits of core courses, 15 credits of electives, and 3 credits of capstone experience.

Code	Title	Credits
Required Courses		
SYSEN 520	Systems Engineering	3
SYSEN 522	Systems Verification Validation & Testing	3
SYSEN 532	Simulation in Systems Engineering: Discrete-Time Systems	3
SYSEN 534	Simulation in Systems Engineering: Continuous-Time Systems	3
SYSEN 880	Systems Architecture and Models	3
SWENG 586	Requirements Engineering	3
Electives		
An additional 15 credits of elective courses must be selected from a list of approved elective courses maintained by the graduate program office.		15
Culminating Experience		
All students will complete their program of study with a capstone project that provides students with an opportunity to apply their knowledge of the systems engineering theories, methods, processes, and tools learned throughout their program, in a culminating and summative experience. Students complete the capstone project while enrolled in SYSEN 894.		3
Total Credits		**36**