

SYSTEMS ENGINEERING AND OPERATIONS RESEARCH MINOR

Banner Code: SEOR

Academic Advising

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Fairfax Campus

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Admissions & Policies

Policies

For policies governing all minors, see AP.5.3.4 Minors.

Requirements

Minor Requirements

Total credits: 15

Required SEOR Courses

SYST 101	Understanding Systems Engineering	3
or SYST 210	Systems Design	
SYST 473	Decision and Risk Analysis	3
Total Credits		6

Three Additional Courses

Select three additional courses from the following:		9
SYST 210	Systems Design	
SYST 220	Dynamical Systems I	
& SYST 221	and Systems Modeling Laboratory	
SYST 320	Dynamical Systems II	
SYST 330	Systems Methods	
SYST 371	Systems Engineering Management	
SYST 460	Introduction to Air Traffic Control	
SYST 461	Air Transportation System Engineering	
SYST 468	Applied Predictive Analytics	
SYST 469	Human Computer Interaction	
or SYST 470	Human Factors Engineering	
OR 335	Discrete Systems Modeling and Simulation	
OR/MATH 441	Deterministic Operations Research	
OR/MATH 442	Stochastic Operations Research	
OR 481	Numerical Methods in Engineering	
or MATH 446	Numerical Analysis I	
Total Credits		9

Prerequisites

Some of the courses listed above have additional prerequisites. Students should pay careful attention to prerequisites when selecting courses.