

DEGREE CHECKOUT SHEET FOR STUDENTS PURSUING A MINOR IN SYSTEMS ENGINEERING



The Department of Civil and Systems Engineering

Students wishing to pursue a minor in systems engineering must complete 18.5 credits in addition to the prerequisite courses listed. The required credits come from a combination of systems engineering fundamental courses and a choice of three elective courses in systems engineering designed to provide students with greater depth in an area of their choosing.

PREREQUISITE COURSES		Credits	When	Earned
110.108	Calculus I	4		
110.109	Calculus II	4		
553.291 OR	Linear Algebra & Differential Equations OR	4		
110.201 &	Linear Algebra &	8		
110.302	Differential Equations and applications			
500.113 &	Gateway Computing: Python &	4		
500.132 OR	Bootcamp: Java OR			
500.112 &	Gateway Computing: Java &	4		
500.133	Bootcamp: Python OR			

Signatures below indicate that the signer has reviewed the correspondence between the student's official transcript and this degree checkout sheet, and that this review shows all requirements for the Systems Engineering minor have been met.

Minor Advisor Signature:

Department Head Signature:

Academic Program Administrator Signature:

Student:	
Advisor:	
Date:	

SYSTEMS ENGINEERING FUNDAMENTALS (no subs)		Credits	When	Earned
560.100	Civilization Engineered	3		
560.291	CasE Coding	0.5		
560.240	Unc., Reliability, and Dec-Mkg	3		
560.250	Intro to Mathematical Decision-Making	3		
Total Engineering Core		9.5		

SYSTEMS ENGINEERING ELECTIVES (select 3)		Credits	When	Earned
560.255	Dynamical Systems	3		
560.449	Energy Systems	3		
560.450	Operatiuons Research	3		
560.453	An Introduction to Network Modeling	3		
560.457	System Dynamics	3		
560.458	Natural Disaster Risk Modeling	3		
Other elective courses may be substituted with advisor permission*				
Total Systems Engineering Elective Credits		9		

GRAND TOTAL	Credits	Taken
Minimum Required	18.5	

Note on D grades:

No D grades in classes required for the minor will be accepted by the Department of Civil & Systems Engineering