Department of Engineering Management and Systems Engineering

Systems Engineering Curriculum (B.S.) **Credits = 129**

Student Name: **GWid:**

Advisor Name: **Admit Term:**

FALL

First Semester Credits = 16

Hr	Course	ISC 1116	Grd	Date
3	COMP ELEC I*			
1	EMSE 1001			
3	MATH 1231			
1	SEAS 1001			
4	UW 1020			
4	Sci Elec 1**			

SPRING

Second Semester Credits = 16

Hr	Course+G85	Description	Grd	Date
3	COMP ELEC 2			
3	COMM 1042			
3	ECON 1011			
3	MATH 1232			
4	PHYS 1021			

NOT FOR DEGREE

Hr	Course	Description	Grd	Date

FALL

Third Semester Credits = 16

Hr	Course	Description	Grd	Date
3	APSC 3115			
3	COMP ELEC 3			
3	EMSE 2801			
3	MATH 2233			
4	PHYS 1022			

SPRING

Fourth Semester Credits = 15

Hr	Course	Description	Grd	Date
3	COMP ELEC 4			
3	EMSE 2705			
3	EMSE 3815			
3	EMSE 4765			
3	SS ELEC***			

FALL

Fifth Semester Credits = 18

Hr	Course	Description	Grd	Date
3	APSC 2113			
3	EMSE 3740W			
3	EMSE 3850			
3	EMSE 4755			
3	ENG ELEC 1****			
3	HUM ELEC***			

SPRING

Sixth Semester Credits = 18

Hr	Course	Description	Grd	Date
3	EMSE 3820			
3	EMSE 3855W			
3	EMSE 4410			
3	EMSE 4770			
3	ENG ELEC 2			
3	PHIL 2135			

FALL

Seventh Semester Credits = 15

Hr	Course	Description	Grd	Date
3	EMSE 3760			
3	EMSE 4190			
3	EMSE 4710			
3	PROF ELEC 1			
3	PROF ELEC 2			

SPRING

Eighth Semester Credits = 15

Hr	Course	Description	Grd	Date
3	EMSE 4191			
3	STAT 2183W			
3	PROF ELEC 3			
3	PROF ELEC 4			
3	PROF ELEC 5			

GWU GPA	
Technical GPA	
SEAS GPA	

*Students select one track

1 CSCI 1111, 1112, 2113, 2441W

2 CSCI 1111 or 1121 or 1131 and EMSE 6574, 6575, 6577

** Students select from BISC 1115 plus BISC 1125, or BISC 1116 plus BISC 1126, or CHEM 1111 or CHEM 1112

*** Students select 1 humanities and one social science from the University Gen Ed Humanities and Social Science list

**** Student must select two courses from a single course designation of BME, CEE, ECE, or MAE

An internship is required.

A minor outside the EMSE Dept is required

Minor