Purdue Graduate Certificate Plan of Study
Systems Engineering
Department of Mechanical Engineering, IUPUI CAMPUS

Last Name	First Name	IUID	PUID

Admit Term	Expected Grad Term	Other Certificate	Grad Degree	Other Reg type: GND, UN, TR

Degree Requirements		✓
Total number of graded credits required	12	
Minimum grade for any course applied to certificate	C	
Minimum GPA	3.0	
Maximum transfer credits	3	
Maximum credits taken prior to enrollment in certificate program	6	
Maximum undergraduate-level courses	Zero	
Completion of certificate requirements	3 years	
Course Substitution Exceptions may be approved by the ME Graduate Education Committee		
Courses may apply toward a graduate degree program but may not be used for credit toward another certificate program.		

Required Core Courses

Sem	Year	Subj	Number	Course Title	Credits	Grade	MS*
		ME	53501	Introduction to Systems Engineering Principles			
		ME	53502	Systems and Specialty Engineering			

Primary Elective Courses (take at least 1)

Sem	Year	Subj	Number	Course Title	Credits	Grade	MS*
		ME	53503	Model-based Systems Engineering			
		ME	53504	Systems Driven Product Development			
		ME	57101	Probabilistic Engineering Design			

Related Electives (Choose no more than 1)

Sem	Year	Subj	Number	Course Title	Credits	Grade	MS*
		ME	50601	Design Optimization Methods			
		ME	57500	Theory and Design of Control Systems			
		ME	58100	Numerical Methods in Mechanical Engineering			
		ME	59100	Mechanical Engineering Projects			
		ECE	56500	Computer Architecture			
		ECE	57000	Artificial Intelligence			
		ECE	58000	Optimization Methods for Systems and Control			
		ECE	60200	Lumped System Theory			
		ECE	68000	Modern Automatic Control			
		STAT	51100	Statistical Methods I			
		STAT	51200	Applied Regression Analysis			
		STAT	51400	Designs of Experiments			
		PBHL	B 561	Introduction to Biostatistics			

Dept approved course substitution(s)

Sem	Year	Subj	Number	Course Title	Credits	Grade	MS*

Substituting for:

*Check box if course will apply to MS degree

Graduate Program Director/Advisor Signature	Date
Graduate Office Approval	Date