

Department of Industrial and Systems Engineering
Bachelor of Science in Industrial and Systems Engineering
Major Code: ISEN
Curriculum Guide

Course	CR	Course	CR
Freshman Year: First Semester		Freshman Year: Second Semester	
ENGL 100	3	ENGL 101	3
CHEM 106	3	Humanities/Fine Arts Elective ¹	3
CHEM 116	1	ISEN 162	2
MATH 131	4	MATH 132	4
GEEN 100	2	PHYS 241	3
GEEN 111	1	PHYS 251	1
Semester Total	14	ISEN 121	1
		Semester Total	17
Sophomore Year: First Semester		Sophomore Year: Second Semester	
PSYC 101 ¹	3	Global Awareness Elective ¹	3
ISEN 102	2	African-American Culture /	
ISEN 246	3	HIST Elective ¹	3
MATH 351	3	MEEN 260	2
PHYS 242	3	ISEN 255	3
PHYS 252	1	ISEN 286	1
Semester Total	15	MATH 231	4
		Semester Total	16
Junior Year: First Semester		Junior Year: Second Semester	
ISEN 380	3	ISEN 324	3
ISEN 430	3	ISEN 386	1
ISEN 361	3	ISEN 435	3
ISEN 370	3	ISEN 465	3
ISEN 471	2	ISEN 472	2
Semester Total	14	MEEN 230	3
		Semester Total	15
Senior Year: First Semester		Senior Year: Second Semester	
ISEN 425	3	ISEN 440	3
ISEN 455	3	ISEN 486	1
ISEN 415	3	ISEN 495	3
ISEN 475	3	ISEN 480	3
ISEN 400	1	ISE Technical Elective ¹	3
ISE Technical Elective ¹	3	Semester Total	13
Semester Total	16		

Total Credit Hours: 120

¹See your academic advisor for a list of eligible courses to satisfy these requirements.

MAJOR PROGRAM REQUIREMENTS

Students must earn a C or better in the following courses:

MATH 131	ISEN 370
MATH 132	PHYS 241

