

BS Industrial Engineering (IEEN)

Course	Course Title	Pre-Requisite (Course #)	Co-Requisite (Course #)	Rotation (odd/even/every year(s))		
				Fall	Spring	Summer
ENGR 1201	Introduction to Engineering	MATH 1314		Every	Every	
ENGR 1312	Engineering Graphics	MATH 1314		Every	Every	
ENGR 2325	Statics	PHYS 2425, MATH 2414	MATH 2414	Every	Every	Every
ENGR 2326	Dynamics	ENGR 2325		Every	Every	Every
ENGR 2460	Circuit Analysis	PHYS 2426, MATH 2414, MATH 3315	MATH 3315	Every	Every	Every
ENGR 3316	Thermodynamics	PHYS 2425, MATH 2414		Every	Every	Every
ENGR 3320	Strength of Materials	ENGR 2325, ENGR 3322		Every	Every	Every
ENGR 3322	Materials Science	CHEM 1411, PHYS 2425		Every	Every	Every
ENGR 3350	Manufacturing Processes	ENGR 1312, ENGR 3322		Every	Every	
ENGR 4240	Project Management	IEEN 3302, IEEN 3320		Every	Every	
ENGR 4370	Capstone Project	ENGR 4240		Every	Every	
ENGR 4420	Engineering Lab Measurements	PHYS 2426, (MATH 3342 or MATH 3345)		Every	Every	

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IEEN 2302	Engineering Economics	MATH 2413		Every		
IEEN 3302	Operations Research	MATH 2414, (MATH 3311 or MEEN 3310)	(MATH 3311 or MEEN 3310)		Every	
IEEN 3320	Human Factors	ENGR 1312	MATH 3342		Every	
IEEN 3324	Human-Systems Interface	ENGR 1312, IEEN 3320	IEEN 3320	Every		
IEEN 3330	Robotics and Automation	ENGR 2460		Every		
IEEN 4312	Experimental Design and Analysis	IEEN 3302, IEEN 3320		Every		
IEEN 4330	Digital Systems Simulations	IEEN 3302			Every	