

Course Subject	Course Number	Course Title	Prerequisites courses designated with an * must be completed with a "C" or better	Can be substituted by
MECH	1305*	Graphics and Design Fundamentals	none	
MECH	2131*	Manufacturing Engineering Lab	MECH 1305*	
MME	2303*	Introduction to Materials Science	CHEM 1305*	MECH 2331
CE	2315*	Statics	MATH 1411* & PHYS 2420*	MECH 1321
CE	2326*	Economy for Engineers and Scientists	none	
IE	2377 ^a	Electro-Mechanical Systems	MATH 1312*	MECH 2342
IE	3331 ^a	Systems Engineering	IE 3373* or BE 3373*	
IE	3332 ^a	Safety Engineering	IE 3373* or BE 3373* & CE 2315* or IE 2315* or MECH 1321* or BE 2434*	
IE	3352 ^a	Design of Experiments	IE 3373*	
IE	3373*	Engineering Probability & Statistical Models	MATH 2313* or MATH 2326	
IE	3390 ^a	Operations Research I	MATH 3323*	
IE	3477 ^a	Methods and Industrial Ergonomics	IE 3373* or BE 3373* & CE 2315* or IE 2315* or MECH 1321* or BE 2434*	
IE	4353 ^a	Industrial Systems Simulation	IE 3373* or BE 3373*	
IE	4384 ^a	Industrial Layout	IE 3373* or BE 3373* & Senior standing	
IE	4385 ^a	Statistical Quality Control and Reliability	IE 3373* or BE 3373*	
IE	4390 ^a	Probabilistic Operations Research	IE 3373* or BE 3373*	
IE	4391 ^a	Production and Inventory Control	IE 3373* or BE 3373*	
IE	4395*	Special Topics in Industrial Engineering	Junior or senior standing	
IE	4396*	International Manufacturing Internship I	IE 4360* and IE 4361* & Senior standing in IE	
IE	4397*	International Manufacturing Internship II	IE 4360* and IE 4361* & Senior standing in IE	
IE	4466*	Senior Design	Final semester & 2.0 GPA overall and in IE major	
a -- Availability of this course may be limited, please contact your advisor				