



Industrial Engineering (IENG)

Core Requirements

Code	Title	Credits	Prerequisites	Corequisites
CHEM200	General Chemistry	3	ENGL101-CHEM160	
CSCI250	Introduction to Programming	3		ENGL101-CSCI250L
CSCI250L	Introduction to Programming Lab	1	ENGL101	CSCI250
EENG250	Electric Circuits I	3	ENGL051	MATH210
ENGG200	Introduction to Engineering	3		
MATH210	Calculus II	3	MATH160	
MATH220	Calculus III	3	MATH210	
MATH225	Linear Algebra with Applications	3	MATH160	
MATH270	Ordinary Differential Equations	3	MATH210	MATH225
MATH310	Probability & Statistics for Scientists & Engineers	3	MATH210-ENGL201	
MENG225	Engineering Drawing & CAD	3		
MENG250	Mechanics I (Statics)	3	ENGL051	MATH210
Total		34		

Major Requirements

Code	Title	Credits	Prerequisites	Corequisites
EENG370	Industrial Electronics	3	EENG250	EENG370L
EENG370L	Industrial Electronics Lab	1		EENG370
IENG300	Engineering Project Management	3	ENGL201	
IENG310	Industrial Engineering Field Visit	1	ENGL201	
IENG320	Introduction to Environmental Engineering	3	ENGL201	
IENG350	Introduction to System Engineering	3	ENGG200-CSCI250	
IENG360	Operations Analysis Methods	3	MATH310	
IENG370	Industrial Systems Simulation	3	MATH310-CSCI250	
IENG400	Design and Analysis of Engineering Experiments	3	MATH310-CSCI250	
IENG410	Human Factors Engineering	3	IENG350-ENGL201	
IENG420	Industrial Engineering Information Systems	3	IENG350	
IENG430	Inventory Control	3	IENG350-CSCI250	
IENG440	Quality Control and Reliability	3	IENG360	
IENG450	Industrial Engineering CAD/CAM Tools	3	IENG350	
IENG460	Production Planning and Control	3	IENG430-IENG360	
IENG470	Facilities Planning	3	IENG440-IENG430	
IENG480	Manufacturing Processes	3	IENG400-IENG430	
IENG495	Senior Project	3	IENG400-IENG300	
MENG300	Mechanics II (Dynamics I)	3	ENGL051-ENGL101-MENG250	MATH220
MENG310	Engineering Material Science	3	MENG250	CHEM200
Total		56		

General Education Requirements

Code	Title	Credits	Prerequisites	Corequisites
ARAB200	Arabic Language and Literature	3		
CULT200	Introduction to Arab - Islamic Civilization	3		

ENGL201	Composition and Research Skills	3	ENGL151	
ENGL251	Communication Skills	3	ENGL201	
Total		12		
General Education Electives				
Code	Title	Credits	Prerequisites	Corequisites
	General Education Electives	3		
	General Education Electives	3		
Total		6		
Major Elective Courses				
Code	Title	Credits	Prerequisites	Corequisites
There are no Major Elective Courses				