

Minor in Engineering

The minor in engineering is designed for students majoring in disciplines such as physics, math, chemistry and computer science, but is available to students in all disciplines. Earning the minor requires at least 18 hours of engineering courses as listed below.

Requirements

Required Courses

ENGINR 1000	Introduction to Engineering	1
or CH_ENG 1000	Introduction to Chemical Engineering	
or ECE 1000	Introduction to Electrical and Computer Engineering	
or CMP_SC 1000	Introduction to Computer Science	
or CV_ENG 1000	Introduction to Civil Engineering	
ENGINR 1100	Engineering Graphics Fundamentals	2-3
or MAE 1100	Introduction to Computer Aided Design	
ENGINR 1200	Statics and Elementary Strength of Materials	3
ENGINR 2100	Circuit Theory for Engineers	3
or ECE 2100	Circuit Theory I	
ENGINR 2300	Engineering Thermodynamics	3
or MAE 2300	Thermodynamics	
or CH_ENG 3261	Chemical Engineering Thermodynamics I	
INFOTC 1040	Introduction to Problem Solving and Programming	3-4
or CMP_SC 1050	Algorithm Design and Programming I	
Engineering Elective - choose from the list below:		3-4
BIOL_EN 2180	Engineering Analysis of Bioprocesses	
CH_ENG 2225	Mass and Energy Balance	
CV_ENG 2800	Introduction to Engineering Sustainability	
CV_ENG 3100	Fundamentals of Transportation Engineering	
CV_ENG 3200	Fundamentals of Environmental Engineering	
CV_ENG 3700	Fluid Mechanics	
CV_ENG 4250	Environmental Regulatory Compliance	
CV_ENG 4500	Introduction to Construction Management	
ENGINR 2200	Intermediate Strength of Materials	
ECE 2210	Introduction to Logic Systems	
IMSE 2030	Fundamentals of Systems Design and Analysis	
IMSE 2110	Probability and Statistics for Engineers	
IMSE 2210	Linear Algebra for Engineers	
IMSE 2710	Engineering Economic Decision-Making	
MAE 2600	Dynamics	
Total Credits		18-21