

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. The requirements for the minor are listed below.

Requirements

Required Courses		15-17
ENGINR 1000 or CH_ENG 1000 or CMP_SC 1000 or CV_ENG 1000	Introduction to Engineering Introduction to Chemical Engineering Introduction to Computer Science Introduction to Civil Engineering	1
ENGINR 1100 or MAE 1100	Engineering Graphics Fundamentals Introduction to Computer Aided Design	2-3
ENGINR 1200	Statics and Elementary Strength of Materials	3
ENGINR 2100 or ECE 2100	Circuit Theory for Engineers Circuit Theory I	3
ENGINR 2300 or MAE 2300 or CH_ENG 3261	Engineering Thermodynamics Thermodynamics Chemical Engineering Thermodynamics I	3
INFOTC 1040 or CMP_SC 1050	Introduction to Problem Solving and Programming Algorithm Design and Programming I	3-4
Engineering Elective - choose from the list below:		3-4
BIOL_EN 2180	Engineering Analysis of Bioprocesses	3
CH_ENG 2225	Mass and Energy Balance	3
CV_ENG 2800	Introduction to Engineering Sustainability	3
CV_ENG 3100	Fundamentals of Transportation Engineering	4
CV_ENG 3200	Fundamentals of Environmental Engineering	4
CV_ENG 3700	Fluid Mechanics	3
CV_ENG 4250	Environmental Regulatory Compliance	3
CV_ENG 4500	Introduction to Construction Management	3
ENGINR 2200	Intermediate Strength of Materials	3
ECE 2210	Introduction to Logic Systems	3
ISE 2030	Fundamentals of Systems Design and Analysis	3
ISE 2110	Probability and Statistics for Engineers	3
ISE 2210	Linear Algebra for Engineers	3
ISE 2710	Engineering Economic Decision-Making	3
MAE 2600	Dynamics	3