PRE-ENGINEERING MINOR

Minor

Students who are interesting in pursuing an advanced degree in engineering after obtaining a bachelor's degree in another discipline would benefit from a minor in pre-engineering. This minor provides a foundation in most fields of engineering. The pre-engineering minor requires a student to complete the following sequence of courses:

Code	Title	Credits
EGR 111	Introduction to Engineering Design	3
EGR 207	Engineering Statics	3
PHY 223 & 223L	General Physics for Physical Science Majors I and General Physics for Physical Science Majors I Laboratory	4
PHY 224 & 224L	General Physics for Physical Science Majors II and General Physics for Physical Science Majors II Laboratory	4
MAT 111	Calculus I	4
MAT 112	Calculus II	4
Choose any 2		6-8
EGR 208	Engineering Dynamics	
EGR 211	Engineering Thermodynamics	
EGR 214	Strength of Materials	
MAT 211	Calculus III	
MAT 222	Differential Equations	
CSC 111 & 111L	Introduction to Programming and Introduction to Programming Laboratory	
PHY 226 & 226L	Basic Electronics and Basic Electronics Laboratory	
Total Credits		**28-30**

Minors are an important part of the undergraduate curriculum. If students declare a minor by sophomore year, they can usually complete it in a timely manner. Students should work with their advisor to determine if it is possible that the minor can be completed by graduation.

To receive a minor, a student must complete at least 9 credit hours of coursework distinct from their major(s) and from other minors, and students must complete more than 50% of the coursework required for the minor at Canisius. Please note that “ancillary/supporting” courses required for a major may still count as distinct courses as long as the remaining coursework still meets the 30 credit-hours required for a major. For more information about minor policies, please see the Declaring Majors and Minors (http://catalog.canisius.edu/undergraduate/academics/student-records/declaring-majors-minors/) page in the catalog.