

APPLIED PHYSICS CERTIFICATE

Curriculum

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

The Applied Physics Certificate serves a credential for students in the Pre-Engineering 2+2 program.

Most students completing a bachelor's degree at Canisius will want to pursue the Minor in Pre-Engineering.