

# PRE-ENGINEERING PROGRAM

Students seeking to specialize in some area of engineering other than mechatronics or industrial engineering (for example, civil, electrical, or mechanical engineering) can complete at least 60 credits (two years) of courses that will transfer to other engineering schools. The courses should be selected in consultation with an Engineering faculty member and an advisor at the school to which the student plans to transfer.

Students who intend to transfer elsewhere and then decide to stay at CSU Pueblo will be able to count all courses listed under "Curriculum" toward the BSE or the BSIE.

## Specific Program Requirements

Course	Title	Credits
CHEM 121 & 121L	General Chemistry I (GT-SC2) and General Chemistry Lab I (GT-SC1)	5
MATH 126	Calculus & Analytic Geometry I (GT-MA1)	5
MATH 224	Calculus and Analytic Geometry II	5
MATH 337	Differential Equations I	3
PHYS 221 & 221L	General Physics I and General Physics I Lab (GT-SC1)	5
PHYS 222 & 222L	General Physics II and General Physics II Lab (GT-SC1)	5
EN 103	Problem Solving for Engineers	3
EN 211	Engineering Mechanics I	3
EN 212	Engineering Mechanics II	3
EN 231 & 231L	Circuit Analysis I and Circuit Analysis I Lab	5
EN 321	Thermodynamics	3
EN 324 & 324L	Materials Science and Engineering and Materials Science and Engineering Lab	4

Humanities, Social Sciences & History courses