

Engineering – Bachelor of Science - All concentrations

Courses required for the first year: Fall – Engr 190, Math 160; Spring - Math 220 & Math 230, Phys 211
Courses encouraged for the first year: Chem 131
Contact: Dr. Joshua M. Dyer

The Major in Engineering – Bachelor of Science

(A minor in Engineering is not offered. Students may not also major in Engineering Physics)

Required Courses (A subset list for FY advisors)

Course Number	Course Name	Learning Perspective	Prerequisites	Credits
Engr 190	Intro to Design			4
Engr 2xx	Testing Designs			4
Engr 310	Engineering Statics		Phys 211	4
Phys 313	Thermodynamics		Phys 212, Math 220	4
	Ethics requirement	PH		

Additional Courses (* Required Supporting Courses)

Course Number	Course Name	Learning Perspective	Prerequisites	Credits
Phys 211*	Foundational Physics I	PN	Math 160	4
Phys 212*	Foundational Physics II	PN	Math 220	4
Math 160*	Calculus			4
Math 220*	Integration Methods		Math 160	2
Math 230*	Infinite Series		Math 160	2
Math 260*	Multivariable Calc		Math 160	4
Chem 131*	General Chemistry I	PN		4

Major Overview

- Students in Engineering Physics typically go into engineering industry or onto graduate school in engineering.
- A Study Abroad program of interest to engineers that travels to the Alps is offered in spring term of odd years.
- We recommend meeting with the engineering advisor ASAP to map out a course plan.