

Physics

Courses required for the first year: Fall – Math 160 or Math 140, according to placement Spring - Phys 211, Math 160 if not taken in fall
Courses recommended for the first year: J-term - Phys 200 Spring - Math 220 (2 credits)
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The Major in Physics

(Students may not also major in Engineering Physics)

Required Courses

Course Number	Course Name	Learning Perspective/ Suffix	Prerequisites	Usually offered: F, J, SP, SU*	Credits
Phys 200	Modeling and Simulation		Math 140	F/J	4
Phys 211	Foundational Physics I	PN	Math 160 (or co-requisite)	SP	4
Phys 212	Foundational Physics II	PN	Phys 211 & Math 260 (co-requisite)	F	4
Phys 213	Foundational Physics III		Phys 211 & Math 260	SP	4
Phys 366	Advanced Numerical Techniques		Phys 213 and Phys 200	F	2
Phys 368 or Phys 367 and Phys 421 (SI)	Advanced Experimental Design (SI)		Phys 366	SP	2
Phys 300-400	3 additional physics courses 300 or above				12

Additional Courses (* Required Supporting Courses)

Course Number	Course Name	Learning Perspective/ Suffix	Prerequisites	Usually offered: F, J, SP, SU*	Credits
Chem 131	General Chemistry I	PN		F/SP	4
Math 160*	Calculus			F/SP	4
Math 220*	Integration Methods		Math 160	F/SP	2
Math 260*	Multivariable Calc		Math 160	F	4
Math 320	Differential Equations & Linear Systems		Math 220	SP	4

The Minor in Physics

Required Courses

Course Number	Course Name	Learning Perspective/ Suffix	Prerequisites	Usually offered: F, J, SP, SU*	Credits
Phys 211	Foundational Physics I	PN	Math 160 (or co-requisite)	SP	4
Phys 212	Foundational Physics II	PN	Phys 211 & Math 260 (co-requisite)	F	4
Phys 213	Foundational Physics III		Phys 211 & Math 260	SP	4
Phys 366	Advanced Numerical Techniques		Phys 213 and Phys 200	F	2
Phys 368	Advanced Experimental Design (SI)		Phys 366	SP	2

Additional Courses (* Required Supporting Courses)

Course Number	Course Name	Learning Perspective/ Suffix	Prerequisites	Usually offered: F, J, SP, SU*	Credits
Chem 131*	General Chemistry I	PN		F/SP	4
Math 160*	Calculus			F/SP	4
Math 220*	Integration Methods		Math 160	F/SP	2
Math 260*	Multivariable Calc		Math 160	F	4

Major Overview

- Students in Physics go into industry or on to graduate school in physics.
- Research opportunities are available with the physics faculty and through REU opportunities.

*Fall, J term, Spring, Summer; see [Academic Calendar](#) for specific dates

Updated November 2023