

Physics, B.S.

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Course	Title	Hour
Freshman		
Fall		
MATH 1420 (800:060)	Calculus I	4
PHYSICS 1100	First-Year Projects in Physics	1
PHYSICS 1701 (880:130)	Physics I for Science and Engineering	4
ENGLISH 1005 (620:005)	College Writing and Research	3
MUSIC 1100 (520:010)	Soundscapes: Music in Culture	3
Hours		15
Spring		
MATH 1421 (800:061)	Calculus II	4
PHYSICS 1702 (880:131)	Physics II for Science and Engineering	4
COMM 1000 (48C:001)	Oral Communication	3
HUM 1021 (680:021)	Humanities I: The Ancient, Classical, and Medieval Worlds	3
University Elective		3
Hours		17
Sophomore		
Fall		
MATH 2422 (800:062)	Calculus III	4
PHYSICS 2300 (880:132)	Physics III: Theory and Simulation	3
HUM 1022 (680:022)	Humanities II: The Renaissance, Reformation, and Enlightenment	3
HUM 3125 (680:125)	India	3
University Elective		3
Hours		16
Spring		
PHYSICS 4100/5100 (880:137g)	Modern Physics	4
PHYSICS 4110/5110 (880:138g)	Modern Physics Laboratory	2
PHYSICS 2700	Mathematical Methods of Physics	3
GEOG 1120 (970:010)	Human Geography	3
University Elective		3
Hours		15
Junior		
Fall		
PHYSICS 3000 (880:180)	Undergraduate Research in Physics	2
PHYSICS 3700 (880:187)	Physics Seminar	1
PHYSICS 4300/5300 (880:152g)	Introduction to Electronics	4
PHYSICS 4600/5600 (880:166g)	Classical Mechanics	4
KAHHS 1030	Dimensions of Wellbeing Lab	1
KAHHS 1020	Dimensions of Wellbeing Lecture	1
University Elective		3
Hours		16

Spring		
PHYSICS 4900/5900 (880:136g)	Thermodynamics and Statistical Mechanics	4
PHIL 1020 (650:021)	Philosophy: The Art of Thinking	3
University Electives		9
Hours		16
Senior		
Fall		
PHYSICS 4700/5700 (880:167g)	Electrodynamics	4
POL INTL 1024 (943:024)	International Relations	3
BIOL 1012 (840:012)	Life: The Natural World	3
University Electives		6
Hours		16
Spring		
PHYSICS 4800/5800 (880:172g)	Quantum Mechanics	4
CAP 3140 (CAP:140)	Environment, Technology, and Society	2
PHYSICS 4860/5860 (880:150g)	Computational Physics	3
ECON 1031 (920:024)	Introduction to Economics	3
University Electives		3
Hours		15
Total Hours		126

* Note: To graduate with a B.S. degree in Physics, a student must earn an overall grade point average of at least 2.50 in all courses applied toward the major.