
BS in Physics

Following is **one** suggested four-year degree plan. Students are encouraged to see their adviser each semester for help with program decisions and enrollment. Students are responsible for meeting all course prerequisites.

***See the University Core Curriculum section of this catalog for approved list of course options.**

**** See Arts and Sciences degree requirements section of this catalog for approved list of course options.**

BS in Physics (Option I)**FRESHMAN YEAR**

FALL	HOURS
CHEM 1410, General Chemistry*	3
CHEM 1430, Laboratory for General Chemistry*	1
ENGL 1310, College Writing I*	3
MATH 1710, Calculus I	4
PHYS 1710, Mechanics	3
PHYS 1730, Laboratory in Mechanics	<u>1</u>
Total	15

FRESHMAN YEAR

SPRING	HOURS
CHEM 1420, General Chemistry*	3
CHEM 1440, Laboratory for General Chemistry*	1
MATH 1720, Calculus II	3
PHYS 2220, Electricity and Magnetism	3
PHYS 2240, Laboratory in Wave Motion, Electricity, Magnetism and Optics	1
Humanities*	3
Wellness*	<u>3</u>
Total	17

SOPHOMORE YEAR

FALL	HOURS
MATH 2700, Linear Algebra and Vector Geometry	3
PHYS 1050, The Solar System, or PHYS 1060, Stars and the Universe, or PHYS 1251, Science and Technology of Musical Sound	3
PHYS 1051, The Solar Systems Observations Laboratory, or PHYS 1061, Stellar Systems Observations Laboratory, or PHYS 1271, Science and Technology of Musical Sound Laboratory	1
PHYS 3010, Modern Physics	3
PHYS 3030, Laboratory in Modern Physics	1
PHYS 3420, Electronics Communication**	<u>4</u>
Total	18

SOPHOMORE YEAR

SPRING	HOURS
CSCI 1110, Program Development	4
ENGL 2700, Technical Writing*	3
MATH 2730, Multivariable Calculus	3
PHYS 4210, Electricity and Magnetism	3
PHYS Elective (advanced)	<u>3</u>
Total	16

JUNIOR YEAR

FALL	HOURS
HIST 2610, United States History to 1865*	3
MATH 3410, Differential Equations I	3
PHYS 3210, Classical Mechanics	3
PHYS Elective (advanced)	3
Cross-cultural, Diversity and Global Studies*	<u>3</u>
Total	15

JUNIOR YEAR

SPRING	HOURS
HIST 2620, United States History Since 1865*	3
PHYS 3310, Mathematical Methods in Physical Sciences	3
PHYS 4110, Statistical and Thermal Physics	3
PHYS Elective (advanced)	3
Social and Behavioral Sciences*	<u>3</u>
Total	15

SENIOR YEAR

FALL	HOURS
PHYS 4950, Senior Thesis	6
PSCI 1040, American Government*	3
Elective	3
Elective (advanced)	1
Visual and Performing Arts*	<u>3</u>
Total	16

SENIOR YEAR

SPRING	HOURS
PHYS 4310, Quantum Mechanics	3
PSCI 1050, American Government*	3
Literature**	3
Elective	3
Elective	<u>4</u>
Total	16

Actual degree plans may vary depending on availability of courses in a given semester.

Some courses may require prerequisites not listed. Students may wish to use opportunities for electives to complete a minor of their choice or secondary education courses for teacher certification.
