

*The following roadmap is a sample academic planning resource. Please consult your academic advisor and Academic Catalog for graduation requirements as you develop your individualized academic plan.

College: College of Natural Sciences and Mathematics

Degree: BA – Bachelor of Arts

Major: Physics (Teacher Preparation)*

Term #	Course #	Course Title	Units
1	MATH 30	Calculus I	4
	X	General Education Requirement Area A1	3
	X	General Education Requirement Area C1	3
	X	General Education Requirement Area E	3
	X	American Institutions (US HIST)	3
		Semester Total	16
2	PHYS 11A	General Physics: Mechanics	4
	MATH 31	Calculus II	4
	ENGL 5	Accelerated Academic Literacies	3
	X	Astronomy course	3
	X	General Education Requirement Area C	3
		Semester Total	17
3	PHYS 11C	General Physics: Electricity and Magnetism	4
	MATH 32	Calculus III	4
	X	General Education Requirement Area A3	3
	BIO 1	Biodiversity, Evolution, and Ecology	5
		Semester Total	16
4	PHYS 11B	General Physics: Heat, Light, Sound, Modern Physics	4
	MATH 45	Differential Equations for Science and Engineering	3
	ENGL 20	College Composition II	3
	X	American Institutions (GOVT)	3
	X	General Education Requirement Area F	3
		Semester Total	16

*The following roadmap is a sample academic planning resource. Please consult your academic advisor and Academic Catalog for graduation requirements as you develop your individualized academic plan.

Term #	Course #	Course Title	Units
5	PHYS 105	Mathematical Methods in Physics	3
	PHYS 106	Introduction to Modern Physics	3
	PHYS 115	Electronics and Instrumentation	4
	ENVS 10	Introduction to Environmental Science	3
	X	Foreign Language Semester 1	4
		Semester Total	17
6	PHYS 110	Classical Mechanics	3
	PHYS 124	Thermodynamics and Statistical Mechanics	3
	X	Upper Division General Education Requirement Area C + Writing Intensive	3
	GEOL 10	Physical Geology	3
	GEOL 10L	Physical Geology Lab	1
	X	Foreign Language Graduation Requirement Semester 2	4
		Semester Total	17
7	X	PHYS Major Elective	3
	CHEM 1A	General Chemistry I	5
	BIO 2	Cells, Molecules, and Genes	5
	PHYS 191	Senior Project	1
	ASTR 6	Astronomical Observation Laboratory	1
	X	Upper Division General Education Requirement Area B5	3
		Semester Total	18
8	PHYS 135	Electricity and Magnetism	3
	PHYS 175	Advanced Physics Laboratory	2
	PHYS 191	Senior Project	1
	X	PHYS Major Elective	3
	CHEM 1B	General Chemistry II	5
	X	Upper Division General Education Requirement Area D	3
		Semester Total	17