

*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: *Natural Sciences & Mathematics*

Degree: *BS – Bachelor of Science*

Major: *Physics (Applied Physics)**

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
	CHEM 1E	General Chemistry for Engineering	4
	X	American Institutions (GOVT)	3
		Semester Total	17
6	PHYS 110	Classical Mechanics	3
	PHYS 124	Thermodynamics and Statistical Mechanics	3
	PHYS 135	Electricity and Magnetism	3
	ENGR 45	Engineering Materials	3
	X	Upper Division General Education Requirement Area C + Writing Intensive	3
		Semester Total	15
7	PHYS 150	Quantum Mechanics	3
	PHYS 162	Scientific Computing: Basic Methods	3
	X	PHYS Major Elective	3
	X	Upper Division General Education Requirement Area B5	3
	X	American Institutions (HIST)	3
		Semester Total	15
8	PHYS 175	Advanced Physics Laboratory	2
	X	Instrumentation/Computing Elective (Select: PHYS 116, PHYS 163, or PHYS 191)	3
	X	PHYS Major Elective	3
	X	PHYS Major Elective	3
	X	Upper Division General Education Requirement Area D	3
		Semester Total	14