

# B.S. Physics (4-year Roadmap)

Even Year Start

	<b>Fall</b>	<b>Units</b>	<b>Spring</b>	<b>Units</b>
YEAR 1	MATH 161- Differential and Integral Calculus I (LD GE area 2)	4	MATH 211 - Differential and Integral Calculus II	4
	PHYS 100 - Descriptive Physics OR ASTR 100 - Descriptive Astronomy	3	PHYS 114 - Intro. to Physics I Lab. Experience (LD GE area 5A)	4
	Lower Div. GE Area 1C and 1B	6	PHYS 116 - Intro. Lab. Experience (LD GE 5C)	1
	University Electives	2	Lower Div. GE Area 1A and 3A	6
	<b>TOTAL UNITS</b>	<b>15</b>	<b>TOTAL UNITS</b>	<b>15</b>
YEAR 2	MATH 261 - Multivariable Calculus	4	MATH 241 - Linear Algebra with Applications in Differential Equations	4
	PHYS 214 - Introduction to Physics II	4	Lower Div GE Area 4 and American Institutions	6
	PHYS 216 - Introductory Laboratory	1	Lower Div GE Area 6	3
	Lower Div. GE Area 3B and 5B	6	University Electives	2
	<b>TOTAL UNITS</b>	<b>15</b>	<b>TOTAL UNITS</b>	<b>15</b>
YEAR 3	PHYS 325 - Introduction To Mathematical Physics	3	PHYS 450 - Statistical Physics	2
	PHYS 320 - Analytical Mechanics	3	PHYS 366 - Intermediate Experimental Physics - GEAR	3
	PHYS 314 - Introduction to Physics III	4	PHYS 430 - Electricity and Magnetism	3
	Upper Div GE Area 3	3	GE Area 4	3
	University Electives	2	University Electives	4
	<b>TOTAL UNITS</b>	<b>15</b>	<b>TOTAL UNITS</b>	<b>15</b>
YEAR 4	PHYS 381 - Computer Applications for Scientists	2	PHYS 340 - Light and Optics (met-in-major Upper Div GE Area 5)	3
	PHYS 491 - Capstone	1	PHYS 460 - Quantum Physics	3
	University Electives	11	Physics Elective	3
			University Electives	6
	<b>TOTAL UNITS</b>	<b>14</b>	<b>TOTAL UNITS</b>	<b>15</b>