

**Bachelor of Science - Physics**  
**First Time Freshman Academic Roadmap**

Year 1: Freshman Year				Year Total				30
Fall Semester	Terms Offered	Prerequisite Courses	Units	Spring Semester	Terms Offered	Prerequisite Courses	Units	
PHYS 1500	Fall		3	MATH 2220	Fall & Spring	Math 2210	4	
MATH 2210 (GE-B4)	Fall & Spring	MATH 1401 or satisfactory place exam	4	PHYS 2500	Fall & Spring	MATH 2210 & 2220	4	
CHEM 2100 (GE-B1)	Fall & Spring	Math 1301, 1401, 1601, 2210, or 2220	4	PHYS 2500L	Fall & Spring	MATH 2210 & 2220 & PHYS 2500	1	
CHEM 2100L (GE-B3)	Fall & Spring	co-req of CHEM 2100	1	Written Communication (GE-A2)	Fall & Spring		3	
Oral Communication (GE-A1)	Fall & Spring		3	Critical Thinking (GE-A3)	Fall & Spring		3	
<b>Semester Total</b>			<b>15</b>	<b>Semester Total</b>			<b>15</b>	

Year 2: Sophomore Year				Year Total				29
Fall Semester	Terms Offered	Prerequisite Courses	Units	Spring Semester	Terms Offered	Prerequisite Courses	Units	
MATH 2310	Fall & Spring	Math 2210 (C or better)& 2220	4	MATH 2320	Fall & Spring	Math 2220 & 2310 (C- or better)	4	
PHYS 2510	Fall & Spring	PHYS 2500 & MATH 2220	4	PHYS 2600L	Spring	PHYS 2210 & MATH 2310	1	
PHYS 2510L	Fall & Spring	PHYS 2500/2500L, 2510 & MATH 2220	1	PHYS 2700	Spring	MATH 2310, 2320, PHYS 1500, 2510/2510L	3	
Foundation Seminar (GE-E)	Fall & Spring		3	General Education	Fall & Spring		3	
General Education	Fall & Spring		3	General Education	Fall & Spring		3	
<b>Semester Total</b>			<b>15</b>	<b>Semester Total</b>			<b>14</b>	

Year 3: Junior Year				Year Total				29
Fall Semester	Terms Offered	Prerequisite Courses	Units	Spring Semester	Terms Offered	Prerequisite Courses	Units	
PHYS 3100	Fall	MATH 2310 & 2320, PHYS 1000 & 2510	4	PHYS 3400	Spring	PHYS 2700 & 3100	3	
PHYS 3200	Fall	PHYS 2510, PHYS 2510L & 3100	4	PHYS 3500	Spring	PHYS 2700 & 3100	4	
PHYS 3300	Fall	PHYS 2510, 2510L & 3100	3	PHYS 3800	Spring	PHYS 2600L, 2700 & 3300	2	
General Education	Fall & Spring		3	General Education	Fall & Spring		3	
				PHYS Elective	Fall & Spring		3	
<b>Semester Total</b>			<b>14</b>	<b>Semester Total</b>			<b>15</b>	

Year 4: Senior Year				Year Total				30
Fall Semester	Terms Offered	Prerequisite Courses	Units	Spring Semester	Terms Offered	Prerequisite Courses	Units	
PHYS 4400	Fall	PHYS 3400	3	PHYS 4800	Fall & Spring	PHYS 3200, 3400 & 3800	2	
PHYS 4700	Fall	PHYS 2700,3100, 3200 & 3400	4	General Education	Fall & Spring		3	
General Education	Fall & Spring		3	General Education	Fall & Spring		3	
General Education	Fall & Spring		3	General Education	Fall & Spring		3	
PHYS Elective	Fall & Spring		3	PHYS Elective	Fall & Spring		3	
<b>Semester Total</b>			<b>16</b>	<b>Semester Total</b>			<b>14</b>	

**Degree Units Total 118**