

**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	
CHEM 2100 (GE B1)	Fall & Spring	MATH 1301, 1401, 1601, 2210, or 2220	4	MATH 2220	Fall & Spring	MATH 2210	4	
CHEM 2100L (GE B3)	Fall & Spring	CHEM 2100 (Corequisite)	1	PHYS 2500	Fall & Spring	MATH 2210, 2220	4	
MATH 2210 (GE B4)	Fall & Spring	MATH 1401 or Placement Exam	4	PHYS 2500L	Fall & Spring	MATH 2210, 2220; PHYS 2500	1	
PHYS 1500	Fall		3	Critical Thinking (GE A3)	Fall & Spring		3	
Oral Communication (GE A1)	Fall & Spring		3	Written Communication (GE A2)	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, 2220	4	MATH 2320	Fall & Spring	MATH 2220, 2310	4	
PHYS 2510	Fall & Spring	PHYS 2500, MATH 2220	4	PHYS 2600L	Spring	PHYS 2210; MATH 2310	1	
PHYS 2510L	Fall & Spring	PHYS 2510, 2500/L; MATH 2220	1	PHYS 2700	Spring	PHYS 1500, 2510/L; MATH 2310, 2320	3	
General Education	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				32
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 2510/2510L, 3100	4	PHYS 3500	Spring	PHYS 2700, 3100	4	
PHYS 3300	Fall	PHYS 2510, 2510L, 3100 (Corequisite)	3	PHYS 3800	Spring	PHYS 2600L, 2700, 3300	2	
General Education	Fall & Spring		3	PHYS Elective	Fall & Spring		3	
General Education	Fall & Spring		3	Free Elective	Fall & Spring		3	
<b>Semester Total</b>			<b>17</b>	<b>Semester Total</b>			<b>15</b>	

Year 4: Senior Year				Year Total				29
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	PHYS Elective	Fall & Spring		3	
PHYS Elective	Fall & Spring		2	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	
<b>Semester Total</b>			<b>15</b>	<b>Semester Total</b>			<b>14</b>	

**Degree Units Total** **120**