

Bachelor of Science - Natural Science - Physics Concentration
First Time Freshman Academic Roadmap

Year 1: Freshman Year				Year Total			
Fall Semester	Terms Offered	Prerequisite Courses	Units	Spring Semester	Terms Offered	Prerequisite Courses	Units
MATH 2210 (GE 2)	Fall & Spring	MATH 1401 or 1403 or Placement	4	Chemistry Series (Group A or B) (GE 5A & 5C)	Fall & Spring	Varies	4
NSCI 2300	Fall		1	MATH 2220	Fall & Spring	MATH 2210	4
PHYS 1500	Fall		3	Critical Thinking (GE 1B)	Fall & Spring		3
Free Elective	Fall & Spring		3	Oral Communication (GE 1C)	Fall & Spring		3
Written Communication (GE 1A)	Fall & Spring		3				
Semester Total			14	Semester Total			14

Year 2: Sophomore Year				Year Total			
Fall Semester	Terms Offered	Prerequisite Courses	Units	Spring Semester	Terms Offered	Prerequisite Courses	Units
Chemistry Series (Continue Group A or B)	Fall & Spring	Varies	4	MATH 2310	Fall & Spring	MATH 2210; MATH 2220 (Corequisite)	4
PHYS 2500	Fall & Spring	MATH 2210; MATH 2220 (Corequisite)	4	PHYS 2510	Fall & Spring	PHYS 2500	4
PHYS 2500L	Fall & Spring	PHYS 2500 (Corequisite)	1	PHYS 2510L	Fall & Spring	PHYS 2510 (Corequisite)	1
Statistics	Fall & Spring	Varies	3	General Education	Fall & Spring		3
General Education	Fall & Spring		3	General Education	Fall & Spring		3
Semester Total			15	Semester Total			15

Year 3: Junior Year				Year Total			
Fall Semester	Terms Offered	Prerequisite Courses	Units	Spring Semester	Terms Offered	Prerequisite Courses	Units
GEOL 3020 or GEOL 3040 (UD GE)	Fall & Spring		3	General Science UD Elective	Fall & Spring	Varies	3
MATH 2320	Fall & Spring	MATH 2220, MATH 2310 with C- or better	4	PHYS 2600L	Spring	PHYS 2510 and MATH 2310	1
PHYS 3300	Fall	PHYS 2510 and PHYS 2510L	3	PHYS 2700	Spring	MATH 2310; PHYS 1500, 2510, and 2510L	3
General Education	Fall & Spring		3	NSCI 3300	Spring	NSCI 2300	1
Free Elective	Fall & Spring		3	General Education	Fall & Spring		3
				General Education	Fall & Spring		3
Semester Total			16	Semester Total			14

Year 4: Senior Year				Year Total				32
Fall Semester	Terms Offered	Prerequisite Courses	Units	Spring Semester	Terms Offered	Prerequisite Courses	Units	
BIOL 2010 (or Group C or D)	Fall & Spring	CHEM 2100 with a grade of C or higher	5	BIOL 2020 (or Continue Group C or D)	Spring	Varies	5	
General Education (UD)	Fall & Spring		3	NSCI 4300	Spring	NSCI 3300	2	
PHYS 3100	Fall	See Catalog	4	PHYS 3800	Spring	PHYS 3300, PHYS 2700, PHYS 2600L	2	
PHYS/ASTR UD Concentration Elective	Fall & Spring	Varies	3	General Education	Fall & Spring		3	
Free Elective	Fall & Spring		2	General Education (UD)	Fall & Spring		3	
Semester Total			17	Semester Total			15	
				Degree Units Total			120	

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Last modified

1/29/2026

The roadmap is an academic planning resource. Students should refer to their PAWS Report and Academic Catalog for graduation requirements.

If a student takes Group A for Biology Series I, they need to take two courses for Series II, and one of those two courses (BIOL 2230) is only offered in the Fall.