

MAJOR IN NATURAL SCIENCES, PHYSICAL SCIENCE CONCENTRATION

Major Completion Map

Freshman

Semester 1	Critical	Recommended	AUCC	Credits
CO 150 College Composition (GT-CO2)			1A	3
Select one course from the following:				4
MATH 155 Calculus for Biological Scientists I (GT-MA1)		X	1B	
MATH 160 Calculus for Physical Scientists I (GT-MA1)		X	1B	
Social and Behavioral Sciences (https://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#social-behavioral-sciences)			3C	3
Minor Requirement Courses				6
MATH 117, MATH 118 may be necessary for some students to fulfill pre-calculus requirements.	X			

Total Credits

16

Semester 2	Critical	Recommended	AUCC	Credits
CHEM 111 General Chemistry I (GT-SC2)			3A	4
CHEM 112 General Chemistry Lab I (GT-SC1)			3A	1
Select one course from the following:				4
MATH 255 Calculus for Biological Scientists II		X	1B	
MATH 161 Calculus for Physical Scientists II (GT-MA1)		X	1B	
Elective				3
Minor Requirement Course				3
MATH 124, MATH 125, MATH 126 may be necessary for some students to fulfill pre-calculus requirements.	X			

Total Credits

15

Sophomore

Semester 3	Critical	Recommended	AUCC	Credits
CHEM 113 General Chemistry II				3
CHEM 114 General Chemistry Lab II				1
PH 141 Physics for Scientists and Engineers I (GT-SC1)	X		3A	5
Elective				3
Minor Requirement Courses				4
MATH 155 or MATH 160 must be completed by the end of Semester 3.	X			

Total Credits

16

Semester 4	Critical	Recommended	AUCC	Credits
PH 142 Physics for Scientists and Engineers II (GT-SC1)			3A	5
STAT 301 Introduction to Applied Statistical Methods				3
Minor Requirement Courses				4

Total Credits

12

Junior

Semester 5	Critical	Recommended	AUCC	Credits
1C (https://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#aucc)			1C	3
Advanced Writing (https://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#advanced-writing)			2	3

Arts and Humanities (https://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities)			3B	3
Minor Requirement Courses				6
Total Credits				15
Semester 6	Critical	Recommended	AUCC	Credits
Select one group from the following:				4
Group A:				
BZ 110 Principles of Animal Biology (GT-SC2)			3A	
BZ 111 Animal Biology Laboratory (GT-SC1)			3A	
Group B:				
BZ 120 Principles of Plant Biology (GT-SC1)			3A	
Group C:				
LIFE 102 Attributes of Living Systems (GT-SC1)			3A	
Historical Perspectives (https://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives)			3D	3
Minor Requirement Courses				9
Total Credits				16
Senior				
Semester 7	Critical	Recommended	AUCC	Credits
Arts and Humanities (https://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities)			3B	3
Building Foundations/Perspectives			4B	3
Elective				3
Minor Requirement Courses				6
Total Credits				15
Semester 8	Critical	Recommended	AUCC	Credits
Capstone Course	X		4C	3
Using Competencies	X		4A	3
Elective	X			3
Minor Requirement Courses	X			6
The benchmark courses for the 8th semester are the remaining courses in the entire program of study.	X			
Total Credits				15
Program Total Credits:				120