

MAJOR IN NATURAL SCIENCES, PHYSICAL SCIENCE CONCENTRATION

Requirements Effective Fall 2022

Freshman

		AUCC	Credits
CHEM 111	General Chemistry I (GT-SC2)	3A	4
CHEM 112	General Chemistry Lab I (GT-SC1)	3A	1
CO 150	College Composition (GT-CO2)	1A	3
Select one pair of courses from the following:			8
Group A:			
MATH 155	Calculus for Biological Scientists I (GT-MA1)	1B	
MATH 255	Calculus for Biological Scientists II	1B	
Group B:			
MATH 160	Calculus for Physical Scientists I (GT-MA1)	1B	
MATH 161	Calculus for Physical Scientists II (GT-MA1)	1B	
Minor ¹			9
Social and Behavioral Sciences (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#social-behavioral-sciences)		3C	3
Electives			3

Total Credits **31**

Sophomore

CHEM 113	General Chemistry II		3
CHEM 114	General Chemistry Lab II		1
PH 141	Physics for Scientists and Engineers I (GT-SC1)	3A	5
PH 142	Physics for Scientists and Engineers II (GT-SC1)	3A	5
STAT 301	Introduction to Applied Statistical Methods		3
Minor ¹			8
Electives			3

Total Credits **28**

Junior

Select four credits from the following:			4
Group A:			
BZ 104	Basic Concepts of Plant Life (GT-SC2)	3A	
BZ 105	Basic Concepts of Plant Life Laboratory (GT-SC1)	3A	
Group B:			
BZ 110	Principles of Animal Biology (GT-SC2)	3A	
BZ 111	Animal Biology Laboratory (GT-SC1)	3A	
Group C:			
BZ 120	Principles of Plant Biology (GT-SC1)	3A	
Group D:			
LIFE 102	Attributes of Living Systems (GT-SC1)	3A	
Advanced Writing (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#advanced-writing)		2	3

Arts and Humanities (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities)	3B	3
Diversity, Equity, and Inclusion (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#diversity-equity-inclusion)	1C	3
Historical Perspectives (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives)	3D	3
Minor ^{1, 2, 3, 4}		15
Total Credits		31
Senior		
Arts and Humanities (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities)	3B	3
Building Foundations/Perspectives ²	4B	3
Capstone Course ³	4C	3
Using Competencies ⁴	4A	3
Minor ^{1, 2, 3, 4}		12
Electives ⁵		6
Total Credits		30
Program Total Credits:		120

¹ Declare and complete two minors from the following list: Biochemistry, Chemistry, Computer Science, Geology, Mathematics, Physics, Statistics, Applied Statistics.

² Complete a 3 credit course satisfying AUCC category 4B that is offered within a major that is the same as one of the minors that will be completed.

³ Complete a 3 credit course satisfying AUCC category 4C that is offered within a major that is the same as one of the minors that will be completed.

⁴ Complete a 3 credit course satisfying AUCC category 4A that is offered within a major that is the same as one of the minors that will be completed.

⁵ Select enough elective credits to bring the program total to a minimum of 120 credits, of which at least 42 must be upper-division (300- and 400-level).