

# 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 ( <a href="http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#social-behavioral-sciences">http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#social-behavioral-sciences</a> )				3C	3
Minor Requirement Courses					6
MATH 117, MATH 118 may be necessary for some students to fulfill pre-calculus requirements.		X			
<b>Total Credits</b>					<b>16</b>

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			
<b>Total Credits</b>					<b>15</b>

### 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			
<b>Total Credits</b>					<b>16</b>

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
<b>Total Credits</b>					<b>12</b>

### Junior

Semester 5		Critical	Recommended	AUCC	Credits
Advanced Writing ( <a href="http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#advanced-writing">http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#advanced-writing</a> )				2	3
Arts and Humanities ( <a href="http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities">http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities</a> )				3B	3

Diversity, Equity, and Inclusion ( <a href="http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#diversity-equity-inclusion">http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#diversity-equity-inclusion</a> )			1C	3
Minor Requirement Courses				6
<b>Total Credits</b>				<b>15</b>
<b>Semester 6</b>	<b>Critical</b>	<b>Recommended</b>	<b>AUCC</b>	<b>Credits</b>
Select one group 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	
Historical Perspectives ( <a href="http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives">http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives</a> )			3D	3
Minor Requirement Courses				9
<b>Total Credits</b>				<b>16</b>
<b>Senior</b>				
<b>Semester 7</b>	<b>Critical</b>	<b>Recommended</b>	<b>AUCC</b>	<b>Credits</b>
Arts and Humanities ( <a href="http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities">http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities</a> )			3B	3
Building Foundations/Perspectives			4B	3
Elective				3
Minor Requirement Courses				6
<b>Total Credits</b>				<b>15</b>
<b>Semester 8</b>	<b>Critical</b>	<b>Recommended</b>	<b>AUCC</b>	<b>Credits</b>
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			
<b>Total Credits</b>				<b>15</b>
<b>Program Total Credits:</b>				<b>120</b>