Credits

17

MAJOR IN NATURAL SCIENCES, BIOLOGY EDUCATION CONCENTRATION

All Biology Education majors must maintain a 2.75 GPA and receive a C or better in all content and education courses for licensure. All course work must be completed prior to Student Teaching (AUCC 4A/4B/4C requirement). Admission into the teacher licensure program is required for phase II education courses and above.

Recommended AUCC

Major Completion Map

Freshman

Semester 1

Distinctive Requirements for Degree Program:

Total Credits

CHEM 111	General Chemistry I (GT-SC2)		Χ	3A	4
CHEM 112	General Chemistry Lab I (GT-SC1)		X	3A	1
CO 150	College Composition (GT-CO2)			1A	3
LIFE 102	Attributes of Living Systems (GT-SC1)		X	3A	4
	nities (http://catalog.colostate.edu/general-catalog/all- curriculum/aucc/#arts-humanities)			3B	3
MATH 117, MA	TH 118 may be necessary for some students to fulfill pre-	Χ			
calculus require	ements.				
	Total Credits				15
Semester 2		Critical	Recommended	AUCC	Credits
CHEM 113	General Chemistry II		X		3
CHEM 114	General Chemistry Lab II		X		1
LIFE 103	Biology of Organisms-Animals and Plants (GT-SC1)		X	3A	4
Select one grou	p from the following:				4
Group A:					
AA 100	Introduction to Astronomy (GT-SC2)			3A	
AA 101	Astronomy Laboratory (GT-SC1)			3A	
Group B:					
GEOL 120	Exploring Earth - Physical Geology (GT-SC2)			3A	
GEOL 121	Introductory Geology Laboratory (GT-SC1)			3A	
Select one cour	se 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	
LIFE 102 must be completed by the end of Semester 2.		X			
	TH 125, MATH 126 may be necessary for some students to us requirements.	Х			
	Total Credits				16
Sophomore					
Semester 3		Critical	Recommended	AUCC	Credits
BZ 220	Introduction to Evolution				3
STAT 301	Introduction to Applied Statistical Methods				3
Select one cour	se from the following:				5
PH 121	General Physics I (GT-SC1)		Χ	3A	
PH 141	Physics for Scientists and Engineers I (GT-SC1)		Χ	3A	
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
CHEM 111 and	CHEM 112 must be completed by the end of Semester 3.	Χ			

Critical

university-core-curriculum/aucc/#advanced-writing) BZ 310 must be completed by the end of Semester 5.					
	15				
Total Credits	15				
Semester 6 Critical Recommended AUCC	Credits				
BMS 300 Principles of Human Physiology	4				
Select one course from the following:	3-4				
BZ 350 Molecular and General Genetics					
LIFE 201B Introductory Genetics: Molecular/Immunological/ Developmental (GT-SC2) 3A					
SOCR 330 Principles of Genetics					
EDUC 461B Secondary Science and Technology Education II X	3				
Historical Perspectives (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives)	3				
Science Elective	3				
Total Credits	16-17				
Senior					
Semester 7 Critical Recommended AUCC	Credits				
EDUC 450 Instruction II-Standards and Assessment X	4				
EDUC 486E Practicum: Instruction II X	1				
LIFE 205 Microbial Biology	3				
LIFE 206 Microbial Biology Laboratory	2				
LIFE 320 Ecology	3				
Total Credits	13				
Semester 8 Critical Recommended AUCC	Credits				
	Credits 11				
EDUC 493A Seminar. Professional Relations X 4C	1				
Science Elective 3					
The benchmark courses for the 8th semester are the remaining courses in the X					
entire program of study.					
Total Credits	15				
Program Total Credits:	122-123				