

Nevada State College

Chemistry, B.S. Biochemistry Concentration

Pre-requisites (Suggested Sequence of Courses)

First Semester

Course Number	Course Title	Credits
CHEM 121	General Chemistry I	4
ENG 101	Composition I	3
CEP 123	College and Career Success	2
_____	General Elective	3
_____	General Elective	3
		15

Second Semester

Course Number	Course Title	Credits
CHEM 122	General Chemistry II	4
ENG 102	Composition II	3
BIOL 190	Introduction to Cell and Molecular Biology	4
_____	Constitution Core	3
		14

Third Semester

Course Number	Course Title	Credits
CHEM 241	Organic Chemistry I	4
MATH 181	Calculus I	4
BIOL 300	Principles of Genetics	4
_____	Social Sciences Core	3
		15

Fourth Semester

Course Number	Course Title	Credits
CHEM 242	Organic Chemistry II	4
MATH 182	Calculus II	4
PHYS 180	Physics for Scientists and Engineers I	4
_____	Humanities Core	3
		15

Fifth Semester

Course Number	Course Title	Credits
CHEM 474	Biochemistry I	3
PHYS 181	Physics for Scientists and Engineers II	4
STAT 391	Applied Statistics for Biological Sciences	3
_____	Humanities Core	3

_____	General Elective	3
		16
Sixth Semester		
Course Number	Course Title	Credits
CHEM 475	Biochemistry II	3
CHEM 330	Analytical Chemistry	4
BIOL 405	Molecular Biology	4
_____	Cultural Diversity Core	3
_____	Upper Div Science Elective	3
		15
Seventh Semester		
Course Number	Course Title	Credits
CHEM 421	Physical Chemistry	3
CHEM 423	Physical Chemistry Lab	2
CHEM 431	Advanced Inorganic Chemistry	3
_____	Upper Div Science Elective	3
_____	Fine Arts Core	3
		14
Eighth Semester		
Course Number	Course Title	Credits
_____	Upper Div Chemistry Elective	3
_____	Upper Div Chemistry Elective	3
_____	Upper Div Chemistry Elective	3
_____	General Elective	3
_____	General Elective	3
		15