

BACHELOR OF SCIENCE

Biology Pre-professional

2011-13 Catalog

Name _____

120 Semester hours minimum for graduation with a 2.00 average overall

56 hours from a four-year institution

No Title HRS CR QPTS

General Studies

English				
101	Composition and Rhetoric I	3		
102	Composition and Rhetoric II	3		
203	World Literature I	3		
204	World Literature II	3		
Communication Arts				
101	Fundamentals of Speech	3		
The Arts - Two Courses				
101	Introduction to Visual Arts	3		
101	Introduction to Music	3		
102	Introduction to Theatre	3		
Physical Education				
101	Personal Wellness	2		
Social Sciences				
	Four courses with at least three disciplines represented (SEE CATALOG)	3		
		3		
		3		
		3		
Science and Mathematics				
	Laboratory Science	4		See Major
	Laboratory Science	4		See Major
	Mathematics	3		See Major
	Lab Science or N SC 300; or MATH 105, 201, 211	3		See Major
Foreign Language - Recommended				
	Two courses may be substituted for any two general studies courses except ENGL 101-102 and general Studies Math. Only ONE substitution per discipline. See Catalog. (Not required in teaching fields)			

RESIDENCE CREDIT:

36 hours at Concord

16 of last 32 hours at Concord

Note: In some degree programs, this would be previous to entering professional training.

9 hours in Major, Teaching Fields

Biology Pre-professional (2.00 GPA required)				
BIOL 101	General Biology I **	4		
102	General Biology II **	4		
201	Ecology and Field Methods	4		
202	Animals as Organisms	4		
301	Plants as Organisms	4		
302	Cell and Molecular Biology	4		
401	Genetics	4		
455	Biology Capstone (May substitute BIOL 452 & 453)	2		
	One of the following: BIOL 235, 237, 330	4		
CHEM 101	General Chemistry I	3		
111	General Chemistry Lab I	1		
102	General Chemistry II	3		
112	General Chemistry Lab II	1		
331	Organic Chemistry I	4		
332	Organic Chemistry II	4		
341	Biochemistry	3		
PHYS 101 or 201	Introduction to Physics University Physics I	4		
102 or 202	Intermediate Physics or University Physics II	4		
105	Elementary Statistics	3		
250	Calculus w/Analytic Geometry I	4		
	10 hours science electives (at least 6 hours in Biology) N SC 300C may be substituted for 3 of these hours. (MATH 101, 103 and 104 excluded)			

NOTE: Science electives for each Biology program may come from courses listed under BIOL, CHEM, PHYS, GEOL, MATH (course numbers 200 and higher), N SC 300C, 300D or 300E, GEOG 300 or PSY 370 and/or 402.

*Recommended minors for Biology include: Chemistry, Physics, Mathematics, Computer Science or Statistics.

MATH 103 and/or MATH 104 are prerequisites to some required courses in the Biology Pre-professional major.

** Students with a strong background in Biology should consider taking the CLEP examination for BIOL 101 & 102 credit.