

BACHELOR OF SCIENCE

Biology - Liberal Arts

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 & Rhetoric I	3		
102	Composition & 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 & Mathematics				
	Laboratory Science	4		See Major
	Laboratory Science	4		See Major
	Mathematics	3		See Major
	Lab Science or NSC 300C/D; or MATH 105, 201, 211	3-4		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	3		
		3		

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 Field

Biology -Liberal Arts (2.00 GPA required).

BIOL 101	General Biology I	4		
102	General Biology II	4		
201	Ecology & 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		
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 (Recommended)			
PHYS 101 or 201	Introductory Physics <u>or</u> University Physics I	4		
102 or 202	Intermediate Physics <u>or</u> University Physics II	4		
MATH 105	Elementary Statistics	3		
250	Calculus w/Analytic Geometry I (Recommended)			
	16 hours science electives (at least 8 hours in Biology); N SC 300C may be substituted for 3 of these hours. (Math 101, 103 and 104 excluded)	4		
		4		
		4		
		4		

Science electives for both programs may come from courses listed under BIOL, CHEM, PHYS, GEOL, MATH (course numbers 200 and higher) NSC 300C, 300D or 300E, GEOG 300, or PSY 370 and/or 402.

NOTE: Same as other Biology program regarding electives.

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