

BACHELOR OF SCIENCE

Biology - Recombinant Gene Technology

2009-11 Catalog

Name _____

128 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 300C/D; 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 - Recombinant Gene Technology (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		
330	Microbiology	4		
372	Introduction to Research	3		
401	Genetics	4		
420	Immunology (Recommended)	4		
430	Recombinant Gene Technology	4		
451	Biology Seminar	1		
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 or University Physics I	4		
102 or 202	Intermediate Physics or University Physics II	4		
MATH 103				
	College Algebra	3		
104	College Trigonometry	3		
105	Elementary Statistics	3		
250	Calculus w/Analytic Geometry	4		
	<u>10 hours</u> science electives (at least 6 hours in Biology) N SC 300C may be substituted for 3 of these hours.			

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 or D, GEOG 300 or PSY 370 and/or 402.

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

MATH 103 and/or 104 may be waived for students establishing proficiency

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

Revised: 9/10/09