

# BACHELOR OF SCIENCE

## Chemistry - Clinical Laboratory Science

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 - Required				
	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		

Chemistry -Clinical Laboratory Science (2.00 GPA required)				
BIOL 101	General Biology I	4		
302	Cell and Molecular Biology	4		
330	Microbiology	4		
401	Genetics	4		
420	Immunology	4		
CHEM 101	General Chemistry I	3		
111	General Chemistry Lab I	1		
102	General Chemistry II	3		
112	General Chemistry Lab II	1		
210	Chemical Laboratory Safety	1		
220	Laboratory Research Methodology	1		
331	Organic Chemistry I	4		
332 or 341	Organic Chemistry II Or Biochemistry	4/3		
351	Analytical Chemistry	3		
357	Analytical Chemistry Laboratory	2		
MATH 103	College Algebra	3		
104	Trigonometry	3		
105	Statistics	3		
MDTH 450	Medical Technology Internship			

Useful but not required electives may be chosen from BIOL 235, 240; PHYS 101, 102 or 201, 202; and CHEM 352, 358

A fourth year, off-campus medical technology internship (MDTH 450) will be completed for a total of 30 hours in two semesters.

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

### 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

REVISED 9/9/09

