

**Concord University**  
**Bachelor of Science - Chemistry (Clinical Laboratory Science)**

Name: \_\_\_\_\_

2017-2018 Catalog

120 hours minimum for graduation with a 2.00 average overall  
 56 hours from a four-year institution

Course	Title	CR	GR	QP
Written and Oral Communications (9 credit hours) Select one course from BGEN 205 or COMM 101				
ENGL 101	Composition & Rhetoric I	3		
ENGL 102	Composition & Rhetoric II	3		
		3		
Literature and Humanities (6 credit hours) Select one (1) course from Literature and one (1) course from History and Philosophy. *May be repeated for 3 credit hours.				
	<b>ENGL</b> 203, 204, *203A, *204A or *207A	3		
	<b>HIST</b> 101, 102, 203, 204, <b>PHIL</b> 101, 102, 210, 316, or 360	3		
Fine Arts– (3 credit hours) Select one (1) course from the following:				
	<b>ART</b> 101, 103, 105, 106, 204, 205, 216, 303, 304, 308, <b>MUS</b> 101, *451, *453A, or <b>THEA</b> 102	3		
Social and Behavioral Sciences (9 credit hours) Select one (1) course from three different categories.				
	<b>Category 1 - Business and Professional Studies</b> BGEN 105, ECON 201, ECON 202, FIN 200, RTM 100 or SOWK 161	3		
	<b>Category 2 - Geography</b> GEOG 101, 250 or 321	3		
	<b>Category 3 - Political Science</b> POSC 101, 104, or 202			
	<b>Category 4 - Psychology</b> PSY 101 or 200			
	<b>Category 5 – Sociology</b> SOC 101, 201, or 301			
Natural Sciences (7-8 credit hours) Select one (1) course from two different categories.				
	<b>Category 1-Biological Science</b> BIOL 101, 102 or 103	4		
	<b>Category 2-Earth &amp; Space Science</b> GEOL 101, GEOL 150, GEOG 200, PHSC 104, or PHYS 105	3-4		
	<b>Category 3-Physical Science</b> CHEM 100, CHEM 101/111, PHSC 103, PHYS 101, or PHYS 201			
Mathematics (3 credit hours) Select one (1) Mathematics course numbered 100 or higher.				
		3		
Physical Wellness (2 credit hours) Select one or more courses listed below for a total of at least two hours.				
	<b>H ED</b> 120, 304, <b>P ED</b> 101M, 117, 118, or <b>RTM</b> 360	2		
Modern/Classical Language – (Optional 6 credit hours) Select two courses within the same Modern/Classical Language for substitution purposes.				
	May not substitute Modern Language for ENGL 101, ENGL 102, the 3 hour Mathematics requirement or the 4-hour lab science requirement.			

Chemistry -Clinical Laboratory Science (2.00 GPA required)				
BIOL 101	General Biology I	4		
BIOL 302	Cell and Molecular Biology	4		
BIOL 330	Microbiology	4		
BIOL 401	Genetics	4		
BIOL 420	Immunology	4		
CHEM 101	General Chemistry I	3		
CHEM 111	General Chemistry Lab I	1		
CHEM 102	General Chemistry II	3		
CHEM 112	General Chemistry Lab II	1		
CHEM 210	Chemical Laboratory Safety	1		
CHEM 331	Organic Chemistry I	4		
CHEM 332	Organic Chemistry II	4/3		
or	or			
CHEM 341	Biochemistry			
CHEM 351	Analytical Chemistry	3		
CHEM 357	Analytical Chemistry Laboratory	2		
MATH 103	College Algebra	3		
MATH 104	Trigonometry	3		
MATH 105	Statistics	3		
MDTH 450	Medical Technology Internship	15		
		15		

Useful but not required electives may be chosen from BIOL 234 or BIOL 235; BIOL 250; PHYS 101, PHYS 102, PHYS 201, PHYS 202; and CHEM 352 and CHEM 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 is prior to entering professional training.  
 9 hours in Major, Teaching Fields