

**Concord University**  
**BACHELOR OF SCIENCE - Biology (Pre-Professional)**  
*Registrar's Office Official Document*

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

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

2018-2019 Catalog

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.				
	ENGL 203, 204, *2201, *2202, *2203, *2204 or *2205	3		
	HIST 101, 102, 203, 204, PHIL 101, 102, 210, 316, or 361	3		
Fine Arts-- (3 credit hours) Select one (1) course from the following:				
	ART 101, 103, 105, 106, 204, 205, 216, 303, 304, 308, MUS 101, *451, *453A, or THEA 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, 255 or 321	3		
	<b>Category 3 - Political Science</b> POSC 101, 104, or 202	3		
	<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.				
BIOL 101	<b>Category 1-Biological Science</b> BIOL 101, 102 or 103	4	See Major	
CHEM 101	<b>Category 2-Earth &amp; Space Science</b> GEOL 101, GEOL 150, GEOG 200, PHSC 104, or PHYS 105	3-4	See Major	
	<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.				
MATH 105		3	See Major	
Physical Wellness (2 credit hours) Select one or more courses listed below for a total of at least two hours.				
	HED 120, 304, PED 101M, 117, 118, or RTM 220	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.			

Biology Pre-professional (2.00 GPA required)				
BIOL 101	General Biology I **	4		
BIOL 102	General Biology II **	4		
BIOL 201	Ecology and Field Methods	4		
BIOL 202	Animals as Organisms	4		
BIOL 301	Plants as Organisms	4		
BIOL 302	Cell and Molecular Biology	4		
BIOL 401	Genetics	4		
BIOL 455	Biology Capstone (May substitute BIOL 452 & 453)	2		
	One of the following courses: BIOL 329, 335, 336	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 331	Organic Chemistry I	4		
CHEM 332	Organic Chemistry II	4		
CHEM 341	Biochemistry	3		
PHYS 101 or PHYS 201	Introduction to Physics or University Physics w/Calculus 1	4		
PHYS 102 or PHYS 202	Intermediate Physics or University Physics w/Calculus 2	4		
MATH 105	Elementary Statistics	3		
MATH 253	Calculus w/Analytic Geometry I	4		
	10 hours science electives (at least 6 hours in Biology) N SC 300D or BIOL 214 may be substituted for 3 of these hours. (MATH 101, 103 and 104 excluded)			

**NOTE:** Science electives for each program may come from courses listed under Biology, Chemistry, Physics, Geology, Mathematics (course numbers 200 and higher), BIOL 213/N SC 300D/BIOL 214, or PSY 370and/or PSY 402. N SC 325 may be used only once to fulfill science elective credit.

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

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

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

**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

Revised 10/4/18