

**Concord University**  
**BACHELOR OF SCIENCE – Biology (Pre-Physical Therapy)**  
*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		
COMM 101 Or BGEN 205	Fundamentals of Speech Or Fundamentals of Business Communication	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 or 204	3		
HIST 101	<b>HIST</b> 101, 102, 203, 204, <b>PHIL</b> 101, 210, 316, or 361	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.				
GEOG 101	<b>Category 1 - Business and Professional Studies</b> BGEN 105, ECON 203, ECON 204, FIN 200, RTM 100 or SOWK 161	3		
PSY 101	<b>Category 2 - Geography</b> GEOG 101 or 321	3		
SOC 101	<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 121	<b>Category 1-Biological Science</b> BIOL 101, 102, 121, or 122	4	See Major	
CHEM 101	<b>Category 2-Earth &amp; Space Science</b> GEOL 101, GEOL 140 or 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	Elementary Statistics	3	See Major	
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 or 118	2-3		
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.			

<b>Biology – Pre-Physical Therapy (87 credit hours) (2.00 GPA required)</b>				
<b>Biology (30 credit hours)</b>				
BIOL 101	General Biology	4		
BIOL 102	General Biology II	4		
BIOL 335	Human Anatomy and Physiology I	4		
BIOL 336	Human Anatomy and Physiology II	4		
BIOL 302	Cell and Molecular Biology	4		
BIOL 329	Microbiology	4		
BIOL 3501	Biology Shadowing/Internship I	2		
BIOL 3502	Biology Shadowing/Internship II	2		
BIOL 455	Biology Capstone	2		
<b>Athletic Training (19 credit hours)</b>				
AT 236	Evaluation of Lower Extremity Injuries	4		
AT 236L	Evaluation of Lower Extremity Injuries Lab	0		
AT 237	Evaluation of Upper Extremity Injuries	4		
AT 237L	Evaluation of Upper Extremity Injuries Lab	0		
AT 314	Exercise Physiology	3		
AT 329	Therapeutic Exercises I	4		
AT 329L	Therapeutic Exercises I Lab	0		
AT 331	Therapeutic Modalities	4		
AT 331L	Therapeutic Modalities Lab	0		
<b>Chemistry (8 credit hours)</b>				
CHEM 101	General Chemistry I	3		
CHEM 111	General Chemistry Laboratory I	1		
CHEM 102	General Chemistry II	3		
CHEM 112	General Chemistry Laboratory II	1		
<b>Education (4 credit hours)</b>				
EXSS 315	Kinesiology and Biomechanics	3		
S ED 205	First Aid & CPR	1		
<b>Mathematics (3-9 credit hours)</b>				
MATH 103	College Algebra*	3		
MATH 104	College Trigonometry*	3		
MATH 105	Elementary Statistics	3		

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<b>Physics (8 credit hours)</b>				
PHYS 101 and PHYS 102 or PHYS 201 and PHYS 202	Introductory Physics and Intermediate Physics or University Physics with Calculus, Pt 1 and University Physics with Calculus, Pt 2	4    4		
<b>Psychology/Sociology (9-10 credit hours)</b>				
PSY 101	General Psychology	3		
PSY 370 or PSY 422	Physiological Psychology (with lab) or Abnormal Psychology	4 or 3		
SOC 101	Introduction to Sociology	3		

**NOTE:** *PSY 422, Abnormal Psychology is required for entrance into some physical therapy programs.*

**\*MATH 103 and/or MATH 104 are prerequisites to some required courses in the *Biology (Molecular)* 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

**PROGRAM CREDITS:** 120 Credit Hours  
**REQUIRED CREDITS:** 102-109 Credit Hours  
**ELECTIVE CREDITS:** 11-18 Credit Hours