

**Concord University**  
**BACHELOR OF SCIENCE - Biology (Pre-Physical Therapy)**

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

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

Spring 2017 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.				
	<b>ENGL</b> 203, 204, *203A, *204A or *207A	3		
	<b>HIST</b> 101, 102, 203, 204, <b>PHIL</b> 101, 102, 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	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.				
	<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.			

Biology Pre-Physical Therapy (2.00 GPA required)				
BIOL 101	General Biology I	4		
BIOL 102	General Biology II	4		
BIOL 235	Hum. Anatomy and Physiology I	4		
BIOL 237	Hum. Anatomy and Physiology II	4		
BIOL 302	Cell and Molecular Biology	4		
BIOL 330	Microbiology	4		
BIOL 375	Biology Shadowing/Internship	2		
BIOL 376	Biology Shadowing/Internship II	2		
BIOL 455	Biology Capstone	2		
AT 236	Eval. of Lower Extremity Injuries (Supporting Lab, AT 236L)	4		
AT 237	Eval. of Upper Extremity Injuries (Supporting Lab, AT 237L)	4		
AT 314	Exercise Physiology	3		
AT 330	Therapeutic Exercise (Supporting Lab, AT 330L)	4		
AT 331	Therapeutic Modalities (Supporting Lab, AT 331L)	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		
PHYS 101	Introductory Physics <i>and</i>			
PHYS 102	Intermediate Physics	4		
	<b>OR</b>			
PHYS 201	University Physics w/Calculus 1 <i>and</i>	4		
PHYS 202	University Physics w/Calculus 2			
MATH 103	College Algebra*	3		
MATH 104	College Trigonometry*	3		
MATH 105	Elementary Statistics	3		
P ED 315	Kinesiology	3		
S ED 205	First Aid & CPR	1		
PSY 101	General Psychology	3		
PSY 370 <i>or</i> PSY 422	Physiological Psychology w/Lab <i>or</i> Abnormal Psychology	4/3		
SOC 101	Introduction to Sociology	3		

\*MATH 103 and/or MATH 104 will be waived for students establishing "equivalent proficiency" as defined by the Dept. of Math (Math ACT 25or 28) PSY 422, Abnormal Psych., is required for some physical therapy programs.

**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