

B.S. in Biology: Pre- Physical Therapy Emphasis (BPPT) 2025-2026

Freshman Year						
Fall				Spring		
Course Number	Course Title	Credits		Course Number	Course Title	Credits
UNV 1000	Freshman Seminar	1		ENG 1060	Composition II	3
ENG 1050	Composition I	3		BIO 1020	General Zoology	4
MAT 1070	College Algebra	3		MAT 2100	Introduction to Statistics	3
BIO 1000*	Principles of Biology	3		CHM 1300	General Chemistry I	3
BIOL 1000	Lab. Inv. & Exp. in Gen. Bio.	1		CHM 1100	General Chemistry Laboratory I	1
General Education ⁵	Social Science (PSY 1010)	3		General Education	Physical Education	1
Total Credits		14		Total Credits		15

Sophomore Year						
Fall				Spring		
Course Number	Course Title	Credits		Course Number	Course Title	Credits
MAT 2150	Calculus with Applications	4		General Education	History	3
BIO 2110	Anatomy & Physiology I	4		General Education (ICC) ¹	Fine Arts	3
CHM 1310	General Chemistry II	3		General Education ⁵	Social Science (SOC 1020 or 1050)	3
CHM 1110	General Chemistry Laboratory II	1		BIO 2120	Anatomy & Physiology I	4
General Education (WE/ ICC) ^{1,2}	Literature	3				
Total Credits		16		Total Credits		13

Junior Year						
Fall				Spring		
Course Number	Course Title	Credits		Course Number	Course Title	Credits
BIO 2180	Principles of Genetics	4		PHY 1500	College Physics I	3
General Education	Elective	3		PHY 1560	College Physics I Lab	1
Pre-PT elective (PSY Block) ³	Choose one from PSY 2050, 2200, 2250, 3050, 3600, 4010	3		BIO elective ⁴		3-4
University-wide Elective ⁶		3-4		BIO 3040	Principles of Ecology	4
General Education	Physical Education	1		University-wide Elective ⁶		3-4
Total Credits		13-14		Total Credits		14-16

¹ **Indigenous Cultures and Communities (ICC):** Students entering the university in Fall 2023 or later shall complete the ICC requirement for graduation. Students may satisfy this requirement by completing two 3-credit hour ICC-designated courses. Students who transfer over 60 or more hours shall complete one 3-credit hour ICC course. Designated ICC courses can satisfy other graduation requirements such as major electives and required courses.

Senior Year						
Fall				Spring		
Course Number	Course Title	Credits		Course Number	Course Title	Credits
BIO 3710 (WE) ²	Cell Biology	4		BIO elective ⁴		3-4
PHY 1510	College Physics II	3		Pre-PT Elective (Third elective) ³	NUR 2010 (recomm.) or PSY or EXPH	3
PHY 1570	College Physics Lab II	1		General Education	Social Science	3
General Education	Philosophy or Religion	3		University-wide Elective ⁶		3-4
Pre-PT Elective (EXPH block) ³	Choose EXPH 4120 or EXPH 4110	3		BIO 4700 (WD) ²	Reading and Writing in the Natural Sciences	3
University-wide Elective ⁶		3-4				
Total Credits		17-18		Total Credits		15-17

² **Writing Intensive Program:** Students must complete a combined total of 9 credit hours of Writing Enriched (WE) and Writing in the Discipline (WD) coursework. One course must be a WD course (BIO 4700). This degree also includes 1 required course that counts as WE: BIO 3710. The remaining WE coursework can come from any discipline. Double majors need only fulfill the Writing Intensive Program requirement once. It is recommended that you “double dip” by taking a General Education Requirement or major elective that is also designated as WE. NOTE: Successful completion (grade of “C” or better) of ENG 1050 is a prerequisite for all WE or WD courses.

³ **Approved Pre-Physical Therapy Elective (8-9 hrs):** Students must take courses from the following categories.

- EXPH Block: choose EXPH 4120 Exercise Physiology (recommended) or EXPH 4100 Biomechanics
- PSY Block: choose from PSY 2050, 2200, 2250, 3050, 3600, 4010
- Third elective: Medical Terminology (NUR 2010) (recommended) or a terminology course taken at community college, or can take additional PSY or EXPH course

⁴ **Biology Electives (6-8 hrs):** choose 2 courses from the options below. All students should review the Biology Course Catalog to see availability.

- BIO 3150. Microbiology (4 credits) (Every semester)
- BIO 3750. Neurobiology (4 credits) (Odd Springs only)
- BIO 3810. Immunology (3 credits) (Every Fall)
- BIO 4130. Molecular Biology (4 credits) (Summer II)
- BIO 4610 (WE). Animal Physiology (4 credits) (Every semester)

⁵ **Major Specific General Education courses:** Social Science General Education courses must include PSY 1010 and SOC 1020 OR SOC 1050.

⁶ **University wide Electives:** University wide electives can be any course in any department at the university. These are required to reach the 120 hours needed for graduation. These can also be used to form a minor.

Additional Notes

- **ALL GENERAL EDUCATION COURSES CAN BE INTERCHANGED**
- ***Note:** C or higher is required in BIO 1000 to matriculate to other BIO Courses in the major
- Twelve hours of natural sciences and mathematics within this degree count toward gen. ed. requirements. Students should only take those natural sciences and mathematics courses required by the degree program.
- QPA Requirements for Baccalaureate Graduation: “Have a minimum overall cumulative quality point average of 2.0 and have a minimum cumulative quality point average of 2.0 in all work attempted at the University of North Carolina at Pembroke; Have a minimum overall cumulative quality point average of 2.0 in the major field of study”