

**BACHELOR of SCIENCE (B.S.) in BIOLOGY (2023-2024)**  
**BPPT– Pre-Physical Therapy Emphasis**

**Four-Year Degree Plan**

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 (of any number of credits) and can be BIO 4700 or any other WD course. BIO 3710 (see page 2) will count as 4 WE hours, so you will need at least 2 more hours of WE or WD coursework, which 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 Biology elective or General Education Requirement 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.

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 General Education and/or Writing Intensive Program requirements (see above); it is possible to “double dip” or even “triple dip” (e.g., MUS 1210 may satisfy a Fine Arts, WE, and ICC requirement).

**ALL GENERAL EDUCATION COURSES CAN BE INTERCHANGED**

\*C or higher is required in BIO 1000 to matriculate to other BIO Courses in the major

\*\*Students should take SOC 1020 or SOC 1050

\*\*\*BIO Electives: Choose any 2 courses from: Animal Physiology (BIO 4610), Neurobiology (BIO 3750), Microbiology (BIO 3150), Molecular Biology (BIO 4130), Immunology (BIO 3810)

<b>Freshman Year</b>							
<b>Fall</b>				<b>Spring</b>			
	Course Number	Course Title	Credits		Course Number	Course Title	Credits
	UNV 1000	Freshman Seminar	1		ENG 1060	Composition II	3
	ENG 1050	Composition 1	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	Laboratory Investigation and Experiences in General Biology	1		CHM 1100	General Chemistry Laboratory I	1
	PSY 1010	Introduction to Psychology	3		General Education	Physical Education	1
<b>Total Credits</b>			14	<b>Total Credits</b>			15

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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	Fine Arts	3
CHM 1310	General Chemistry II	3		General Education	Social Science**	3
CHM 1110	General Chemistry Laboratory II	1		BIO 2120	Anatomy & Physiology I	4
General Education	Literature	3				
<b>Total Credits</b>			16	<b>Total Credits</b>		
				13		

Junior Year						
Fall				Spring		
Course Number	Course Title	Credits		Course Number	Course Title	Credits
BIO 3180	Genetics	4		PHY 1500	College Physics I	3
General Education	Elective	3		PHY 1560	College Physics I Lab	1
Pre-PT elective	PSY Block. Choose one from PSY 2050, 2200, 2250, 3050, 3600, 4010	3		BIO Elective***		3-4
University-wide Elective		3-4		BIO 3040	Principles of Ecology	4
General Education	Physical Education	1		University-wide Elective		3-4
<b>Total Credits</b>			13-14	<b>Total Credits</b>		
				14-16		

Senior Year						
Fall				Spring		
Course Number	Course Title	Credits		Course Number	Course Title	Credits
BIO 3710	Cell Biology (WE)	4		BIO Elective***		3-4
PHY 1510	College Physics II	3		Pre-PT Elective	Medical Terminology (NUR 2010) or one taken at community college, recommended. Can take additional 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		3-4
Pre-PT Elective	EXPH Block. Choose EXPH 4120 Exercise Physiology (recommended) or EXPH 4100 Biomechanics	3		Writing in the Discipline Course	BIO 4700 or other WD	3
University-wide Elective		3-4				
<b>Total Credits</b>			17-18	<b>Total Credits</b>		
				15-17		