

Biology B.S. and Associated Tracks 2024-2025

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		CHM 1300	General Chemistry	3
MAT 1070 or MAT 1090	College Algebra or Precalculus	3 or 4		CHM 1100	General Chemistry Laboratory I	1
BIO 1000*	Principles of Biology	3		BIO 1010 or BIO 1020	General Botany or General Zoology	4
BIOL 1000	Laboratory Investigations and Experiences in General Biology	1		General Education	Social Science	3
General Education	Fine Arts	3				
Total Credits		14-15		Total Credits		14

Sophomore Year						
Fall				Spring		
Course Number	Course Title	Credits		Course Number	Course Title	Credits
BIO 1010 or BIO 1020	General Botany or General Zoology	4		General Education	Philosophy and Religion	3
CHM 1310	General Chemistry II	3		General Education	Literature	3
CHM 1110	General Chemistry Laboratory II	1		MAT 2150 or MAT 2210	Calculus with applications or Calculus I	4
General Education	History	3		BIO 3040	Principles of Ecology	4
General Education	Physical Education	1		General Education	Physical Education	1
General Education	Elective	3				
Total Credits		15		Total Credits		15

*****ALL GENERAL EDUCATION COURSES CAN BE INTERCHANGED*****

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

****Biology Track Electives:** If you have chosen a Track in the Biology degree, use courses listed below for your Biology Track Electives (minimum 11 hrs):

-No Track (General Biology): any BIO, BIOS, ENV, BTEC, or BTECS course 2000 or above level

-Botany Track (BBOT): BIO 2010, BIO 2020, 2080, 3015, 3400, 3540, ENV 2200, ENV2400

-Environmental Biology Track (BENV): BIO 2080, 2500, 3010, 3400, 3420, 4100, 4320, and/or ENV 2200, 2300, 2450, 3100

-Molecular Biology Track (BMOL): BIO 3150, 3540, BIO 3750, 3810, 4130, 4610, and/or BTEC 3220

-Zoology Track (BZOO): BIO 2040, 2050, 2060, 2410, 2420, 2500, 3010, 3100, 3190, 4100, 4610, and/or ENV 2300

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"

Updated 3/2024 Biology Department

Junior Year						
Fall				Spring		
Course Number	Course Title	Credits		Course Number	Course Title	Credits
BIO 2180	Principles of Genetics	4		Biology Track Elective**		3-4
General Education	Social Science	3		BIO 4700 (WD)	Reading and Writing in the Natural Sciences	3
University Wide Elective		3		General Education	Social Science	3
University Wide Elective		3		University Wide Elective		3
MAT 2100	Introduction to Statistics	3		University Wide Elective		3
Total Credits		16		Total Credits		15-16

Senior Year						
Fall				Spring		
Course Number	Course Title	Credits		Course Number	Course Title	Credits
BIO 3710	Cell Biology(WE)	4		Biology Track Elective**		3-4
Biology Track Elective**		3-4		University Wide Elective		3
University Wide Elective		3		University Wide Elective		3
University Wide Elective		3		University Wide Elective		3
University Wide Elective		3		University Wide Elective		3
Total Credits		16-17		Total Credits		15-16

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-**Environmental Biology Track (BENV):** BIO 2080, 2500, 3010, 3400, 3420, 4100, 4320, and/or ENV 2200, 2300, 2450, 3100

-**Molecular Biology Track (BMOL):** BIO 3150, 3540, BIO 3750, 3810, 4130, 4610, and/or BTEC 3220

-**Zoology Track (BZOO):** BIO 2040, 2050, 2060, 2410, 2420, 2500, 3010, 3100, 3190, 4100, 4610, and/or ENV 2300

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