**BACHELOR of SCIENCE (B.S.) in Environmental Science (2023-2024)**

**ENVB**

**Four-Year Degree Plan**

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| 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 4320 (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 inFall 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 hoursshall complete one 3-credit hour ICC course. BIO 4320 (see page 2) will count as 4 ICC hours. 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.  \*\*Biology/Environmental Science Electives choose from: ENV 2400, 4100, BIO 2500, 3010, 3400, 4100, 4220, 4310. Sustainable Agriculture Elective track: ENV 2450, 3250, 4200.  \*\*\*Geology Electives include: GLY 1150, 2260, 2460, 2620, GGY 2500, 2700, 4040  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.”  This degree is intended to prepare students for the workforce. Students who wish to pursue graduate school may need to take additional coursework and should consult their advisors. |

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| **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 1 | | 3 | |  | | General Education | | Physical Education | | 1 |
|  | | MAT 1070 | College Algebra | | 3 | |  | | MAT 2100 | | Introduction to Statistics | | 3 |
|  | | BIO 1000\* | Principles of Biology | | 3 | |  | | General Education | | History | | 3 |
|  | | General Education | Fine Art | | 3 | |  | | General Education | | Social Science | | 3 |
|  | | General Education | Social Science | | 3 | |  | | General Education | | Elective | | 3 |
| **Total Credits** | | | | | 16 | |  | | **Total Credits** | | | | 16 |
|  | | | | | | | | | | | | | |
| **Sophomore Year** | | | | | | | | | | | | | |
| **Fall** | | | | | | | | **Spring** | | | | | |
|  | Course Number | | | Course Title | | Credits | |  | | Course Number | | Course Title | Credits |
|  | CHM 1300 | | | General Chemistry I | | 3 | |  | | BIO 3040 | | Principles of Ecology | 4 |
|  | CHM 1100 | | | General Chemistry I Laboratory | | 1 | |  | | ENV 2300 (spring only) | | Field Zoology | 4 |
|  | ENV 2200 (fall only) | | | Field Botany | | 4 | |  | | CHM 1310 | | General Chemistry II Lecture | 3 |
|  | General Education | | | Physical Education | | 1 | |  | | CHM 1110 | | General Chemistry II Laboratory | 1 |
|  | General Education | | | Literature | | 3 | |  | | General Education | | Philosophy or Religion | 3 |
|  | General Education | | | Social Science | | 3 | |  | |  | |  |  |
| **Total Credits** | | | | | | 15 | |  | | **Total Credits** | | | 15 |

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| **Junior Year** | | | | | | | |
| **Fall** | | | | **Spring** | | | |
|  | Course Number | Course Title | Credits |  | Course Number | Course Title | Credits |
|  | ENV 3100 (fall only) | Freshwater Ecosystems and Watershed Management | 4 |  | Biology/Environmental Science/Sustainable Agriculture Elective Course\*\* |  | 3-4 |
|  | Biology/Environmental Science/Sustainable Agriculture Elective Course\*\* |  | 3-4 |  | University Wide Elective |  | 3 |
|  | Geology Electives\*\*\* |  | 3-4 |  | Geology Electives\*\*\* |  | 3 |
|  | University Wide Elective |  | 3 |  | ENV 3200 (spring of odd years only) | Soils and Hydrology | 4 |
|  | University Wide Elective |  | 3 |  | University Wide Elective |  | 3 |
| **Total Credits** | | | 16-17 | **Total Credits** | | | 16-17 |

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| **Senior Year** | | | | | | | |
| **Fall** | | | | **Spring** | | | |
|  | Course Number | Course Title | Credits |  | Course Number | Course Title | Credits |
|  | Biology/Environmental Science/Sustainable Agriculture Elective Course\*\* |  | 3-4 |  | ENV 4900 | Internship | 3 |
|  | BIO 4320 WE (fall only) | Conservation Biology | 4 |  | BIO 3420 (spring only) | Pollution Ecology | 3 |
|  | University Wide Electives |  | 3 |  | BIO 4700 (WD) | Reading and Writing in the Sciences | 3 |
|  | University Wide Elective |  | 3 |  | Geology Elective\*\*\* |  | 3 |
|  |  |  |  |  | University Wide Electives |  | 3 |
| **Total Credits** | | | 13-14 | **Total Credits** | | | 15 |