

| RECOMMENDED COURSE SCHEDULE FOR BIOLOGY MAJORS<br>(Applied Ecology & Conservation) |   |                       |
|--|---|-----------------------|
| FALL   | WINTER  | SPRING                |
| <b>FIRST YEAR</b>  |   |                       |
| <b>BIOL 1001 – Introductory Biology I</b>  | <b>BIOL 1002 - Introductory Biology II</b>      |                       |
| CHEM 1050  | CHEM 1051                                       |                       |
| ENGL 1090  | Critical Reading and Writing (CRW) Course*      |                       |
| MATH 1090 (or 1000)  | MATH 1000 (or general elective)                 |                       |
| PHYS 1020  | PHYS 1021                                       |                       |
| <b>SECOND YEAR</b>   |   |                       |
| <b>BIOL 2250 - Genetics</b>  | <b>BIOL 2060 – Cell Biology</b>                 |                       |
| <b>BIOL 2600 - Ecology</b>   | <b>BIOL 2900 - Evolution</b>                    |                       |
| CHEM 2400  | CHEM 2401                                       |                       |
| STAT 2550  | BIOC 2201                                       |                       |
| General elective   | General elective                                |                       |
| <b>THIRD YEAR</b>  |   |                       |
| BIOL elective* (2122 - Invertebrates Recommended)                                  | BIOL elective* (2210 - Vertebrates Recommended) | BIOL elective* (4911) |
| BIOC 3206  | BIOL elective* (4405)                           |                       |
| General elective   | BIOL elective* (4122)                           |                       |
| General elective   | General elective                                |                       |
| General elective   | General elective                                |                       |
| <b>FOURTH YEAR</b>   |   |                       |
| <b>BIOL 3401**</b>   | BIOL elective* (4360)                           |                       |
| BIOL elective* (4650)  | BIOL elective* (4307)                           |                       |
| General elective   | General elective                                |                       |
| General elective   | General elective                                |                       |
| General elective   |   |                       |

**Please note that the above schedule is a template and can be modified on an individual basis.**

\* Students selecting an Applied Ecology and Conservation concentration are required to complete 18 credit hours from the following courses: *Biology 4122, 4307, 4360, 4405, 4650, 4651, 4710, 4810, 4820, 4911*. Students are strongly encouraged to schedule a meeting with the Biology Academic Program Officer regarding BIOL elective selection to ensure the appropriate pre-requisites are completed in the correct order.

\*\* Students must complete at least one core physiology course. Students may choose from BIOL 3401 (Animal Physiology), 4245 (Biophysics), 3402 (Plant Physiology) or 4404 (Microbial Physiology). BIOL 3401 and 4245 are usually offered in Fall semesters, while 3402 and 4404 are offered in Winter semesters.