

Major: **BIOLOGY**

Student's Last Name

First Name

Middle Initial

Advisor

Date Major Declared

| Course # | Title of Course | Hours Required | Semester Completed | Grade |
|---|--|------------------|--------------------|-------|
| Required Courses: | | | | |
| Level One | Introductory Courses (This level <i>MUST</i> be completed before level II (8 hours)) | | | |
| BIO 114/115 | Biological Processes | 4 | | |
| BIO 124/125 | Biodiversity | 4 | | |
| Level Two | Intermediate Courses (Students take 2 of the following courses. At least 1 course from this group <i>MUST</i> be completed before Level III. The 2nd course <i>MUST</i> be completed by the end of the Junior year (8 hours).) | | | |
| BIO 205 | Ecology and Field Biology | 4 | | |
| BIO 212 | Research Methods | 3 | | |
| BIO 301 | Genetics | 4 | | |
| BIO 302 | Human Anatomy | 4 | | |
| Level Three | Advanced Courses (18-20 hours): Students must take 5 courses with at least one course from each track and at least 3 of the courses must include a laboratory experience. One course may be a third course from Level Two. Independent research may count for one course (3-4 hours) for the Level Three requirement. Completion of at least one WI/W10 course in the major is highly recommended. *Note: some courses in Level Three may have specific prerequisites from Level Two. | | | |
| A | <i>Cellular Biology, Molecular Biology & Human Health</i> | | | |
| BIO 300 | Immunology | 3 | | |
| BIO 303 | Microbiology (BIO 114/115 & 124/125 prereqs) | 4 | | |
| BIO 314 | Vertebrate Histology (Ind. Study only) | 3-4 | | |
| BIO 325 | Molecular Cell Biology | 4 | | |
| BIO 330 | Virology (BIO 301 recommended) | 3 | | |
| BIO 372 | Developmental Biology (BIO 301 prereq) | 4 | | |
| BIO 398 | Ind. Research (Cell/Human health focus) | 3-4 | | |
| BIO 404 | Biochemistry (CHM 314/315 prereq, 324/325 coreq) | 4 | | |
| BIO 415 | Human Gross Anatomy (BIO 302 prereq) | 4 | | |
| BIO 420 | Physiology (BIO 302 prereq) | 4 | | |
| B | <i>Organismal Biology</i> | | | |
| BIO 204 | Animal Behavior | 4 | | |
| BIO 208 | Functional Plant Morphology | 4 | | |
| BIO 315 | Entomology | 4 | | |
| BIO 318 | Ornithology | 4 | | |
| GEO 335 | Paleontology | 4 | | |
| BIO 398 | Ind. Research (Organismal focus) | 3-4 | | |
| C | <i>Ecosystems: Characteristics, Processes & Management</i> | | | |
| BIO 210 | Biogeography | 3 | | |
| BIO 310 | Environmental Toxicology | 3 | | |
| BIO 320/321 | Biology in Belize (or other equivalent travel course) | 4 | | |
| ENV 350 | Conservation Biology | 3 | | |
| BIO 398 | Ind. Research (Ecosys./Ecological focus) | 3-4 | | |
| Capstone Course (must be completed in the Jr or Sr Year) | | 3 | | |
| BIO 450 | Evolution (BIO 301 recommended) | 3 | | |
| Other Required Courses (3-5 hours) | | | | |
| MAT 114 | Elementary Statistics | 3 | | |
| OR MAT 124 | Calculus I | 5 | | |
| TOTAL HOURS FOR MAJOR | | 39-44 hrs | | |

If any substitutions or waivers of requirements are allowed, please list below and initial.

Advisor Signature: _____ Department Chair Signature: _____