



School of Education
Life Science
 Program Outline
 For Students Entering 2018-2019 Academic Year

Name _____ ID# _____ Advisor _____

| Course # | Course Title | Hours | Advising Notes |
|---|--|-------|-------------------------------|
| Required Courses: | | | |
| BIO 121 | Principles of Biology I | 4 | |
| BIO 122 | Principles of Biology II | 4 | |
| BIO 221 | General Zoology | 3 | |
| BIO 222 | General Botany | 3 | |
| CHM 111 | General Chemistry I | 4 | |
| CHM 112 | General Chemistry II | 4 | |
| CHM 115 | General Chemistry Lab | 1 | |
| BIO 163 | Freshman Biology Seminar | 0.5 | |
| BIO 211 | Genetics | 4 | |
| BIO 212 | Microbiology | 4 | |
| BIO 263 | Sophomore Biology Seminar | 1 | |
| BIO 363 | Biology Seminar | 0 | |
| BIO 463 | Senior Biology Seminar | 1 | |
| GEO 121I | Physical Geography | 4 | |
| PHY 131 & PHY 151 OR PHY 145 | General Physics I & Introduction to Physics Lab OR Applied College Physics I | 5 | |
| PHY 132 & PHY 152 OR PHY 146 | General Physics II & Introductory Physics Lab II OR Applied College Physics II | 5 | |
| Choose ONE of the following courses: | | | |
| BIO 330 | Gross Anatomy | 4 | |
| BIO 332 | Histology | 3 | |
| BIO 333 | Human Physiology | 4 | |
| BIO 337 | Plant Physiology | 4 | |
| Choose ONE of the following courses: | | | |
| BIO 314 | Molecular Ecology | 4 | |
| BIO 331 | Developmental Biology | 4 | |
| BIO 336 | Molecular Biology | 4 | Strongly Recommended |
| BIO 341 | Immunology | 4 | |
| Choose ONE of the following courses: | | | |
| BIO 308 | Evolution of Animal Behavior | 4 | |
| BIO 309 | Vertebrate Natural History | 4 | |
| BIO 310 | Evolution | 4 | Strongly Recommended |
| BIO 313 | Ecology | 4 | |
| BIO 322 | Plant Evolution | 4 | |
| BIO 334 | Invertebrate Natural History | 4 | |
| Choose SIX (6) credits of Biology Electives: <i>Select any BIO course except those designated for non-biology majors</i> | | | |
| BIO ____ | | 3-4 | |
| BIO ____ | | 3-4 | |
| Additional Teaching Field Requirements: <i>Must meet all EDU requirements, including GPA and prerequisite coursework requirements before taking methods</i> | | | |
| EDU 356 | Special Methods: Science | 3 | Only offered in Fall semester |