

# B.S. Environmental Science

## Biology Track (no Minor required)

Name: \_\_\_\_\_

### Common Core for All Environmental Science Majors (34 hours):

- \_\_\_\_\_ BIOL 1440 Principles of Biology I
- \_\_\_\_\_ BIOL 1441 Principles of Biology II (BIOL 1440)
- \_\_\_\_\_ CHEM 1450 College Chemistry I
- \_\_\_\_\_ CHEM 1451 College Chemistry II (CHEM 1450)
- \_\_\_\_\_ GEOG 1400 Earth Systems Science *or* \_\_\_\_\_ SCI 3410 Earth Science
- \_\_\_\_\_ GEOG 3301 Conservation of Natural Resources (GEOG 2331) [UD UCA Core: R]
- \_\_\_\_\_ ENVR 3410 Environmental Theory and Application [UD UCA Core: D, C]
- \_\_\_\_\_ PSCI 3320 Environmental Policy (PSCI 1330 or PSCI 2305) [UD UCA Core: I, R]
- \_\_\_\_\_ ENVR 4410 Environmental Practicum [UD UCA Core: Z]

### Recommended LD Core courses:

- PSCI 1330
- ANTH 1302  
(prerequisite for possible upper level ANTH course)

### Biology Track Requirements (19 hours):

- \_\_\_\_\_ BIOL 2490 Genetics (BIOL 1441)
- \_\_\_\_\_ BIOL 3403 General Ecology (BIOL 1441, Stats course) [UD UCA Core: I]
- \_\_\_\_\_ CHEM 2401 Organic Chemistry I (CHEM 1451)
- \_\_\_\_\_ MATH 1491 Applied Calculus for the Life Sciences *or* \_\_\_\_\_ MATH 1496 Calculus I
- \_\_\_\_\_ Statistics Course - Choose one of the following: MATH 2311, PSCI 2312, PSYC 2330, SOC 2321

### Choose two of the following Taxonomic courses (8 hours):

*NOTE: These courses cannot be from the same taxonomic grouping (vertebrate, invertebrate, plant).*

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|--------------------------------------|---|
| _____ BIOL 3410 Vertebrate Zoology   | _____ BIOL 4410 Biology of Lower Plants &Fungi      |
| _____ BIOL 4401 Invertebrate Zoology | _____ BIOL 4418 Biology of the Reptilia (BIOL 3403) |
| _____ BIOL 4404 Plant Taxonomy       | _____ BIOL 4440 Entomology                          |
| _____ BIOL 4406 Mammalogy            | _____ BIOL 4455 Ichthyology (Biology of Fishes)     |
| _____ BIOL 4407 Ornithology          | _____ BIOL 4461 Parasitology                        |

### Choose two of the following Theory courses (8 hours):

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|--|---|
| _____ BIOL 3390/3190 Economic Botany &Lab            | _____ BIOL 4445 Biometry                                  |
| _____ BIOL 4415 Evolution                            | _____ BIOL 4450 Plant Ecophysiology [UD UCA Core: Z]      |
| _____ BIOL 4428 Animal Physiol. Ecology              | _____ BIOL 4470 Biology of Seed Plants                    |
| _____ BIOL 4435 Animal Behavior [UD UCA Core: Z]     | _____ ENVR 4465 Environmental Toxicology [UD UCA Core: Z] |
| _____ BIOL 4442 Restoration Ecology [UD UCA Core: Z] |   |

### Biology Track Electives (choose 15 hours):

*NOTE: Can also choose courses in Taxonomic and Theory categories.*

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|--|---|
| _____ ANTH 3340 Environmental Anthropology (ANTH 1302)       | _____ GEOG 3306 Remote Sensing & Image Interpretation |
| _____ BIOL 3V45 Internship                                   | _____ GEOG 3309 GIS in Practice: Environ. Appl.       |
| _____ BIOL 3360 Introduction to Marine Biology               | _____ GEOG 3318 Biogeography                          |
| _____ BIOL 3420 General Microbiology                         | _____ GEOG 3385 Global Food Resources                 |
| _____ BIOL 4450 Plant Ecophysiology [UD UCA Core: Z]         | _____ GEOG 4304 Water Resources [UD UCA Core: R]      |
| _____ BIOL 4XXX Research (w/ proposal approval)              | _____ GEOG 4305 Soils                                 |
| _____ CHEM 3520 Quantitative Analysis                        | _____ GEOG 4308 Oceanography                          |
| _____ CHEM 4451 Environmental Chemistry                      | _____ GEOG 4330 Geographic Info. Analysis             |
| _____ GEOG 2475 Cartography                                  | _____ HIST 4301 American Environ. History             |
| _____ GEOG 3403 Geog. Info. Systems (GEOG 2475) [UD Core: I] | _____ Other Courses w/ Approval                       |