

BIOLOGICAL SCIENCES ADVANCED PROGRAM

Grade of C or better required in each course

ECOLOGY EVOLUTION 0404B FALL 2004

27 minimum required credits

1. Required courses 10 credits

| Sem | Gr | Cr | |
|-----|----|----|---------------------------------|
| | | 4 | BSCI361 Principles of Ecology |
| | | 3 | BSCI370 Principles of Evolution |

| Sem | Gr | Cr | Statistics Course: one from below |
|-----|----|----|--|
| | | 3 | BIOM301 Introduction to Biometrics |
| | | | STAT400 Applied Probability & Statistics |
| | | | STAT464 Introduction to Biostatistics |

2. ECEV Area Courses minimum 14 credits

- At least two 300 or 400 level lab or field courses
- At least two 400-level course
- Lab courses offered as separate credit from lecture must be taken with lecture as co- or pre-requisite

| Sem | Gr | Cr | | Sem | Gr | Cr | |
|-----|----|----|---------------------------------------|-----|----|------|--|
| | | 4 | BSCI230 Cell Biol. & Physiology* | | | 3 | BSCI465 Behavioral Ecology |
| | | 3 | BSCI334 Mammology | | | 3 | BSCI466 Exp. & Aquatic Ecology Lab |
| | | 1 | BSCI335 Mammology Lab | | | 4 | BSCI467 Freshwater Biology Lab |
| | | 3 | BSCI360 Animal Behavior | | | 3 | BSCI470 Mechanisms of Evolution |
| | | 2 | BSCI362 Ecology of Marsh & Dune | | | 3 | BSCI471 Molecular Evolution |
| | | 3 | BSCI363 Biol. Conservation & Extinct. | | | 3 | BSCI473 Marine Ecology |
| | | 3 | BSCI366 Biodiv. Issues Conserv. | | | 4 | BSCI474 Mathematical Biology |
| | | 3 | BSCI373 Natural History Chesap. Bay | | | 3 | BSCI475 Symbiology |
| | | 3 | BSCI375 Biol. Oceanography | | | 4 | BSCI480 Arthropod Form & Function Lab |
| | | 3 | BSCI390 Vertebrate Zoology | | | 4 | BSCI481 Insect Diversity & Classification Lab |
| | | 1 | BSCI391 Vertebrate Zool. Lab | | | 4 | BSCI483 Med Vet Entomology Lab |
| | | 3 | BSCI392 Biology of Extinct Animals | | | 4 | BSCI485 Protozoology Lab |
| | | 1 | BSCI393 Extinct Animals Lab | | | 3 | BSCI493 Medicinal Poisonous Plants |
| | | 3 | BSCI394 Vert. Form and Function | | | 3 | BSCI494 Animal Plant Interactions |
| | | 3 | BSCI410 Molecular Genetics | | | var. | Special Topics Courses** |
| | | 3 | BSCI430 Developmental Biology | | | | BSCI328 Special Topics ENTM Depart. |
| | | 3 | BSCI460 Plant Ecology | | | | BSCI338 Special Topics BIOL Depart. |
| | | 1 | BSCI461 Plant Ecology Lab | | | | BSCI348 Special Topics CBMG Depart. |
| | | 3 | BSCI462 Population Ecology | | | | Departmental Honors Seminars*** |
| | | 2 | BSCI463 Laboratory and Field Ecol. | | | 1 | BSCI378H |
| | | 3 | BSCI464 Microbial Ecology | | | 1 | BSCI398H |

* BSCI230 is the only 200-level course accepted toward ECEV Area Courses. BSCI230 has a lab but it does NOT count toward the requirement for two upper level labs.

**Special Topics courses are allowed if specifically approved for ECEV.

*** One credit of Honors seminar may be applied to major requirements. Additional Honors seminar credits count as electives.

Total ECEV Area credits _____

3. Enrichment

Enrichment Course: _____

Minimum 3 credits from any 300 or 400 level BSCI, CHEM, or BCHM course. Courses listed above can be used if they are not used to satisfy any category above. Independent study or research credits are acceptable: BSCI379, BSCI389, BSCI399. A 300 or 400 level course in GEOL, GEOG, NRMT, ANSC, or other departments may be used with permission of advisor.

Total credits in Advanced Program: _____