

*HONORS Ecology/Field Biology Emphasis***Check List**

This emphasis is designed for students seeking the most thorough possible training to prepare them for a career in research, as well as those seeking entry into competitive professional programs (e.g., veterinary school, etc.). Acceptance into the Honors Emphasis requires a minimum overall GPA of 3.5 in the Ecology/Field Biology emphasis with the addition of physical science courses, including calculus, to complete a research project, to be written in the form of a thesis in their senior year. No minor is required. Students must achieve a grade of "C" or above in any prerequisites to enroll in Biology 499.

| Unique Requirements | Ecology/Field Biology Emphasis |
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| 5 cr 152 Math Elementary Functions | 4 cr 141 Bio Plant Focus |
| (3 cr) 243 Math <i>Calculus of Business & Soc Sciences</i> or | 4 cr 142 Bio Animal Focus |
| (5 cr) 250 Math <i>Applied Calculus</i> or | 4 cr 251 Bio Intro to Genetics |
| (5 cr) 253 Math <i>Calculus and Analytic Geometry</i> | 3 cr 253 Bio Intro to Cell Biology |
| 5 cr 102 Chem Intro I | 3 cr 257 Bio Introduction to Ecology |
| 5 cr 104 Chem Intro II | 4 cr 303 Bio Planning & Presentation |
| 3 cr 251 Chem Organic I | 4 cr 353 Bio Plant Taxonomy |
| 2 cr 261 Chem Organic I Lab | (3 cr) 375 Bio <i>Invertebrate Zoology</i> or |
| 3 cr 252 Chem Organic II | (3 cr) 258 Bio <i>Field Biology</i> |
| 2 cr 262 Chem Organic II Lab | (4 cr) 457 Bio <i>General Ecology</i> or |
| 5 cr 140 Phys General I | (3 cr) 467 Bio <i>Conservation Biology</i> |
| 5 cr 141 Phys General II | 3 cr 446 Bio Organic Evolution |
| Recommended: 251 & 252 Chem & Biochemistry | .5 cr 390 Bio Colloquium |
| updated 10/23/07 | .5 cr 400 Bio Senior Colloquium |
| | 2 cr 499 Bio Thesis (first semester) |
| | 3 cr 499 Bio Thesis (second semester) |
| | Recommended: 493 Bio Internship and/or 498 Independent 345 Bio Animal Physiology 417 Bio Plant Physiology |