# Biology

**Department of Biology**

**Mission Statement:**

The mission of the Biology Department is to provide students with broad-based knowledge and experience in the investigative methods of life science. We support several curricula including general education, health sciences and undergraduate and graduate studies in biology. A faculty with diverse areas of expertise interacts closely with students in small classes, laboratories and field settings. We emphasize critical thinking skills and experiential learning while nurturing the intellectual development of our diverse student population. We foster scientific literacy such that our students make informed choices and act as responsible citizens.

**Department Chair:**Dana Kolibachuk

**Department Faculty: Professor** Merson, de Gouvenain; **Associate Professors**Hewins, Hall, Holmes, Kinsey, Kolibachuk, Resende da Maia, Roberts, Stilwell; **Assistant Professors** Britt, Carrier, Conklin, DiLibero, Held, Patterson, Toorie

Students **must** consult with their assigned advisor before they will be able to register for courses.

Biology B.S.

Course Requirements

Courses

|  |  |  |  |
| --- | --- | --- | --- |
| BIOL 111 | Introductory Biology I | 4 | F, Sp, Su |
| BIOL 112 | Introductory Biology II | 4 | F, Sp, Su |
| BIOL 213W | Plant and Animal Form and Function | 4 | F, Sp |
| BIOL 241 | Biology Research Colloquium | 0.5 | F, Sp |
| BIOL 314 | Genetics | 4 | F |
| BIOL 318 | Ecology | 4 | F |
| BIOL 320 | Cell and Molecular Biology | 4 | Sp |
| BIOL 460W | Biology Senior Seminar | 3 | F, Sp |

Note: BIOL 241: (take twice for 0.5 credits each)

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THREE ADDITIONAL COURSES in biology at the 300-level or above

(One of the three courses may consist of 3 or more credits in BIOL 491-494.)

Cognates

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| --- | --- | --- | --- |
| CHEM 103 | General Chemistry I | 4 | F, Sp, Su |
| CHEM 104 | General Chemistry II | 4 | F, Sp, Su |
| CHEM 205W | Organic Chemistry I | 4 | F, Su |
| CHEM 206W | Organic Chemistry II | 4 | Sp, Su |
|  |   |  |  |
| MATH 240 | Statistical Methods I | 4 | F, Sp, Su |
|  | -Or- |  |  |
| BIOL 240 | Biostatistics | 4 | As needed |
|  |   |  |  |
| MATH 209 | Precalculus Mathematics | 4 | F, Sp, Su |
|  | -Or- |  |  |
| MATH 212 | Calculus I | 4 | F, Sp, Su |
|  |   |  |  |
| PHYS 101 | Physics for Science and Mathematics I | 4 | F, Sp, Su |
|  | -And- |  |  |
| PHYS 102 | Physics for Science and Mathematics II | 4 | F, Sp, Su |

Total Credit Hours: 69-72