This advising sheet does not establish nor constitute a contract between the University of Wisconsin Oshkosh and students enrolled at this institution. This advising sheet provides descriptive and summary information that outlines University rules, regulations, course listings, degree programs and fee schedules, which are in effect at the time of publication. The University retains the exclusive right to change, modify, or interpret, at any time, the descriptions contained in this advising sheet. The University administration and faculty, with the concurrence of the Board or Regents and the administration of the University of Wisconsin System, also retain the right to change fees and add, modify, or withdraw courses or degree programs at any time.

**Secondary Education Emphasis**

**45 credit min**

Effective for Spring 2013

Course pre-requisites are in parentheses

C/ means concurrent enrollment allowed

(F= Fall term only, S= Spring term only, B= Both Fall and Spring terms)

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### Biology Core Courses (11-12 credits)

- **BIO 105** B Biological Concepts (4)
- **BIO 108** F Honors: Concepts in Bio (5)
- **BIO 323** B Intro Molecular and Cell Bio (3)
  (BIO 105, CHEM 105 and/or c/enrollment in CHEM 106, OR CHEM 101, 102 w/B)
- **BIO 343** B Genetics (BIO 323) (4)
- **BIO 491** B Senior Survey *** (0)

*** Senior Students, during their last semester, will take a general biology/microbiology assessment exam and fill out a survey to express their opinion of the biology/microbiology program. Tests/surveys will be taken in the Testing Center at the student’s convenience, (but during normal Testing Center hours). Completion of the test/survey is a requirement for graduation.

### Required Courses (10 credits)

- **CHEM 105** B General Chemistry I (5)
- **CHEM 106** B General Chemistry II (5)
- **MATH**: As specified by COLS requirements.

### Additional Required Courses (20 credits)

- **BIO 211** B Human Anatomy (NS) (3)
- **BIO 212** Human Physiology (NS) (BIO 211 w/C) (4)
- **BIO 230** B Biology of Animals (NS) (BIO 105) (4)
- **BIO 231** B Bio of Plants and Microbes (NS) (BIO 105) (4)
- **BIO 349** B Ecology and Evolution (1 term gen bio) (3)
- **BIO 351 S** Evolution (1 term gen bio) (2)

### Electives (4 credits)

From among Biology courses at the 300-400 level

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Must also meet General Education and Degree Requirements to earn BS Degree.

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