

# **BIOLOGY MAJOR REQUIREMENTS**

## **CORE COURSES**

### **BIO 201**

*General Biology I*

### **BIO 202**

*General Biology II*

### **BIO 250**

*Essent. Skills for Biol.*

### **BIO 301**

*Cell Biology*

### **BIO 303**

*General Genetics*

### **BIO 305**

*General Ecology*

❖ BIO 250 must be taken before or along with your first 300-level BIO course.

❖ Take the writing-intensive BIO 305 as early as possible, to practice writing skills needed throughout the biology curriculum. ENGL 102 is a prerequisite.

## **5 BIOLOGY ELECTIVES**

- Choose from 300-level biology courses numbered between **BIO 310 – 380**
- At least one elective must be from the [approved Botany list](#) and at least one from the [the Zoology list](#).
- All 5 electives can be taken in biology, or one of the 5 may be a [cognate elective](#).
- At least 3 of the 5 electives must have lecture AND lab. (BIO courses with a lab are 4-credits.)
- ❖ A maximum of 5 biology courses can be transferred toward the major, only 3 of which may be electives.

## **CAPSTONE**

- **BIO 390- Biology Senior Seminar** (Most students take BIO 390 as the capstone.)
  - Prerequisites: BIO 301, 303, 305, AND 3 biology electives.
  - Plan your courses carefully to complete prerequisites *before* taking BIO 390.
- *Interested in **research, teaching, or an internship?***
  - Qualified students may pursue these options as the capstone.
  - See a biology advisor for registration info.

## **COGNATE COURSES**

### **CHEM 211**

*General Chemistry I*

### **CHEM 212**

*General Chemistry II*

### **CHEM 231**

*Organic Chemistry I*

**MATH 187- Calculus I**  
or **MATH 275- Applied & Computational Statistics**

(Also take **MATH 185- Precalculus**, which is a prerequisite for Physics I.)

**PHYS 201L & 202L**  
*College Physics I & II*  
or **PHYS 206L & 207L**  
*University Physics I & II*

❖ Although only 5 biology courses can be transferred toward the major, there is no limit to the number of transferred cognate courses.

***All courses must be passed with grades of C or above.***