

Student ID: \_\_\_\_\_  
 Student Name: \_\_\_\_\_  
 Advisor Name: \_\_\_\_\_

Catalog: 2024-2025 Undergraduate Catalog  
 Program: Natural Science, Biological Science Option, BS/BA

### Natural Science, Biological Science Option, BS/BA

The Biological Science option is designed for students planning to enroll in a graduate (M.S., Ph.D) or professional school (e.g., medical or veterinary school) after completion of the baccalaureate degree.

A student must complete the following requirements in addition to the General Studies requirements. No grade lower than "C-" will satisfy major requirements.

Students wanting to pursue a Bachelor of Arts degree must complete the Additional BA Requirements.

### Biological Science Option Requirements

#### Natural Science Core Requirements

##### Organismal Biology

Course Name	Credit Hours	Term Taken	Grade	Gen Ed
BIOL 101 - Introductory Botany	4 Credit Hours			
BIOL 102 - Introductory Zoology	4 Credit Hours			
BIOL 301 - Microbiology	4 Credit Hours			
BIOL 311 - Evolution & Systematic Biology	3 Credit Hours			
BIOL 317 - Ecology	4 Credit Hours			
BIOL 404 - Genetics	3 Credit Hours			

##### Biological Chemistry

Course Name	Credit Hours	Term Taken	Grade	Gen Ed
BIOL 330 - Cellular Biology	3 Credit Hours			
CHEM 101 - General Chemistry I	4 Credit Hours			
CHEM 102 - General Chemistry II	4 Credit Hours			

##### Final Defense

Course Name	Credit Hours	Term Taken	Grade	Gen Ed
BIOL 495 - Senior Competency Exam	0 Credit Hours			

**Natural Science Core Total: 33**

#### Biological Science Option

##### Systems Biology

Course Name	Credit Hours	Term Taken	Grade	Gen Ed
ESCI 230 - Limnology	4 Credit Hours			

##### Organismal Biology:

Choose three of the following courses including 1 Invertebrate Biology course and 1 Vertebrate Biology course:

##### Invertebrate Biology

Course Name	Credit Hours	Term Taken	Grade	Gen Ed
BIOL 365 - Entomology: the Natural History of Great Plains Insects	4 Credit Hours			
BIOL 370 - Natural History of Invertebrates	4 Credit Hours			
BIOL 380 - Invertebrate Zoology	4 Credit Hours			
BIOL 398 - Human Parasitology	4 Credit Hours			

##### Vertebrate Biology

Course Name	Credit Hours	Term Taken	Grade	Gen Ed
BIOL 420 - Comparative Anatomy & Evolution of the Vertebrates	4 Credit Hours			
BIOL 426 - Vertebrate Diversity	4 Credit Hours			

**Organismal Biology Total: 12**

##### Homeostatic Systems:

Choose one of the following:

Course Name	Credit Hours	Term Taken	Grade	Gen Ed
BIOL 312 - Human Physiology	4 Credit Hours			
<b>Or</b>				
BIOL 315 - Introductory Immunology	3 Credit Hours			
<b>Or</b>				
BIOL 385 - Disease & Epidemiology	3 Credit Hours			

##### Capstone/Practicum:

Choose one of the following:

Course Name	Credit Hours	Term Taken	Grade	Gen Ed
BIOL 412 - Experimental Biology	3 Credit Hours			
<b>Or</b>				
BIOL 490 - Undergraduate Research Thesis	3 Credit Hours			

**Option Total: 22 to 23**

**Major Total: 55 to 56**

\*Entering freshmen majoring in Natural Science should enroll for BIOL 101 or BIOL 102, CHEM 101, and ENG 101 during their first semester at PSC.

Notes: