Biology: General (BIOB)

Courses

BIOB 101 Discover Biology w/ Lab
Credits: 4 (3 Lecture, 1 Lab)
Term: (F, S, Su)
Core Class: Natural Science
This course introduces basic biological principles including the cell, the interrelationship of structure and function, and the characteristics and classification of living things. Students will examine the five kingdoms of organisms (monera, protista, fungi, plants, animals), concentrating on vascular plants and vertebrate animals, as well as reproduction and basic ecological concepts. This general education course is designed for non-science majors. Laboratory experience will include experimentation, microscope work, observation, and/or dissection.

BIOB 160 Principles of Living Systems w/ Lab
Credits: 4 (3 Lecture, 1 Lab)
Term: (F based on sufficient demand)
Prerequisite: CHMY 121 or CHMY 141 within the past 5 years with a C- or better; or 1 year for High school Chemistry within the last three years with a C- or better.
Core Class: Natural Science
This course is designed to help students understand and apply major concepts in molecular and cellular biology including: biological macromolecules, cell structure and function, major biochemical pathways (cellular respiration and photosynthesis), cell division, Mendelian genetics, modern biotechnology, early development, and major control mechanisms within the body. Students will also examine the scientific method. M 065 or high and WRIT 095 or higher, or qualifying placement score within the past three years strongly recommended for this course.

BIOB 170 Principles of Biological Diversity w/ Lab
Credits: 4 (3 Lecture, 1 Lab)
Term: (S based on sufficient demand)
Prerequisite: BIOB 160
Core Class: Natural Science
This course is designed to help students understand and apply major concepts in organismal biology including the diversity, evolution, and ecology of organisms. The origin of life and the evolution of cells, classification and evolution of organisms, major domains and kingdoms of life, natural selection and evolution, species diversity, ecosystems organization and energy flow, community interactions, population ecology and behavioral ecology will be discussed. CHMY 121 or higher is highly recommended.