BIOL 1012K: Introductory Biology and Lab II

4 Credit Hours

This course covers the evolution and diversity of organisms, including microbes, protists, fungi, plants, and animals. Additional topics include body systems, the immune system, reproduction and development, and ecology. For non-biology majors only. Biology 1012K is designed for non-STEM students and is not allowed for STEM majors.
This course is managed through the cooperative academic agreement known as eCore.

BIOL 1107: Principles of Biology I

3 Credit Hours

Lecture part of a sequence designed for science majors. The course is an introduction to cell and molecular biology as well as molecular and population genetics. Students who successfully complete the class should be able to describe the fundamental biology of the cell, including cellular anatomy and cellular metabolic processes in both plants and animals. Students will also use molecular genetics to describe the basis for heredity and how this is expressed in populations as well as how it informs evolutionary principles.

BIOL 1107L: Principles of Biology I Laboratory

1 Credit Hours

Concurrent: BIOL 1107

Laboratory exercises supplement the lecture material of BIOL 1107.
Students will learn how to use scientific equipment to explore the cell and molecular biology in plant and animals as well as the biochemistry of life. Students will learn about experimental design and how to generate and interpret scientific data.

BIOL 1108: Principles of Biology II

3 Credit Hours

Lecture part of a sequence designed for science majors. Students will explore the evolution and diversity of life in this course. Students will have additional focus on organismal anatomy and physiology as well as learning basic principles of ecology.