

BIOL • BIOLOGY

BIOL 105 • General Biology/Lab 4 Credits

A focus on basic biological concepts and their applications to real-world situations. This course covers the chemistry of life, cell structure and function, genetics, reproduction and development, and the basics of animal biology. Fundamentals of critical thinking and communication are emphasized.

BIOL 225 • Microbiology/Lab 4 Credits

Fundamental microbiological principles and laboratory techniques. The course focuses on disease-causing microorganisms, new and old methods of disease treatment and prevention, and host immune responses. Students demonstrate an understanding of these principles through a variety of lab experiments.

Prerequisite: BIOL 230 or BIOL 240. Lecture, 3 credits; Lab 1 credit.

BIOL 230 • Anatomy and Physiology I/Lab 4 Credits

A systematic exploration of the integration of structure and functions of the human body for students pursuing careers as healthcare professionals. The anatomy and physiology of the integumentary, skeletal, nervous and muscular systems are topics that this course covers.

Lecture, 3 credits; Lab 1 credit.

BIOL 240 • Anatomy and Physiology II/Lab 4 Credits

A systematic exploration of the integration of the structure and functions of the human body for students pursuing careers as healthcare professionals. This course is a continuation of the body systems started in BIOL 230 and includes the study of the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems.

Prerequisite: BIOL 230. This course includes both lecture and laboratory components and is intended for nursing and allied health students requiring a two-semester anatomy and physiology sequence. Lecture, 3 credits; Lab 1 credit.