

Biology

BIO1095, ENVIRONMENTAL LIFE SCIENCE AND LAB T▸, 5 hours.

A basic ecological approach to the principles and processes of life with emphasis placed on human pressures and technology, and the effect of these on the organism-environment complex. This course fulfills the Core Outcomes of a majors' sequence biology class as defined by the Kansas Core Outcomes Project.

BIO1215, GENERAL BIOLOGY WITH LAB T▸, 5 hours.

General Biology is an introduction to the study of living things, including the nature of science, levels of organization and properties of life, bioenergetics, reproduction, genetics, evolution, classification, and ecological/environmental principles. This course fulfills the Core outcomes of a majors' sequence biology class as defined by the Kansas Core Outcomes Project. The in-person course consists of 3 hours of lecture and 3 hours of lab per week.

BIO1225, PRINCIPLES OF BIOLOGY I T▸, 5 hours.

This course for majors is intended to assist students in preparing for careers in science. Lecture topics include basic biochemical properties of living organisms; cellular structure, processes, and functions; evolution and life origin; and genetics. The in-person course consists of the Core Outcomes of a majors' sequence biology class as defined by the Kansas Core Outcomes Project. The in-person course consists of 3 hours of lecture and 3 hours of lab per week.

BIO1235, PRINCIPLES OF BIOLOGY II T▸, 5 hours.

This course for majors is intended to assist students in preparing for careers in science. Lecture topics include review of prokaryotes, fungi, Protista, viruses, phylogeny of organisms and the classification system, structure and function of organs and organ systems, organism growth and development, survey

of the kingdoms plantae and animalia, speciation, population dynamics and ecology, ecosystems and biomes. This course fulfills the Core Outcomes of a majors' sequence biology class as defined by the Kansas Core Outcomes Project. This course fulfills the Core Outcomes of a majors' sequence biology class as defined by the Kansas Core Outcomes Project. The in-person course consists of 3 hours of lecture and 3 hours of lab per week. Prerequisite: Principles of Biology I with a grade of C or higher.

BIO1245, MICROBIOLOGY T▸, 5 hours.

This course is an introduction to characteristics of microorganisms, microbial growth/genetics, Human & Environmental interactions with microbes, and appropriate laboratory methods of studying and controlling microbes. This course, which consists of 3 hours lecture & 3 hours lab per week. Prerequisite: BIO1215 or BIO1225 with a grade of C or higher.

BIO1255, ANATOMY AND PHYSIOLOGY WITH LAB T▸, 5 hours.

The course consists of a microscopic and macroscopic survey of the human body structures and systems including the associated cells, tissues, and organs. The course examines the interrelationships of the various body systems. Emphasis is placed on how the various systems maintain homeostasis. Laboratory provides application in identification and evaluation of models, slides, and dissection of mammalian organ systems. The in-person course consists of 3 hours of lecture and 3 hours of lab per week. Prerequisite: Principles of Biology I with a grade of C or higher. Prerequisite: BIO1215 or BIO1225 with a grade of C or higher.

T▸ This course is approved by the Kansas Board of Regents for System Wide Transfer among all Kansas public postsecondary institutions offering an equivalent course. Additional courses may also be eligible for transfer. Please visit the FSCC Registrar to learn more. *Offered on demand only. +Offered in 1 to 3 hour increments.