

BIOL 4630: Advanced Topics in Cell & Molecular Biology

1-4 Credit Hours

Prerequisite: BIOL 3410

This course covers advanced topics in cell or molecular biology that may fit the needs and interests of highly select students. Students may learn such topics as advanced microbial genetics, or the biology of cancer.

BIOL 4635: Advanced Topics in Microbiology

1-4 Credit Hours

Prerequisite: BIOL 3340

This course covers advanced topics in microbiology that may fit the needs and interests of highly select students. Students may learn topics like microbial ecology, mycology, or even protozoology.

BIOL 4800K: Diagnostic Microbiology

4 Credit Hours

Prerequisite: BIOL 3340 and BIOL 3301K or permission of the instructor.

Students will learn the design and application of advanced microscopy, antibiotic sensitivity testing, antibody-based assays and nucleic acid techniques for the detection and identification of infectious agents.

ENVS 2202: Environmental Science

3 Credit Hours

Environmental Science, the study of interactions between humans and the environment, is an interdisciplinary science course that integrates principles from biology, chemistry, ecology, geology, and non-science disciplines. Issues of local, regional, and global concern will be used to help students explain scientific concepts and analyze practical solutions to complex environmental problems. Emphasis is placed on the study of ecosystems, human population growth, energy, pollution, and other environmental issues as well as important environmental regulations. Environmental Science 2202 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.

BED 4490: Special Topics in Biology Education

1-6 Credit Hours

Prerequisite: Permission of the instructor and department chair.

Selected special topics of interest to faculty and students.