

# Biology

All 5 Credit Hour Biology courses include a Lab

BIOL 101 (0401) Biology

Placement Test Level: General Education Course Placement\*

Prerequisite: None

Credit Hours: 3

This course presents a study of the basic concepts of living matter with emphasis on cells, tissue, and organism structure and function. An evolutionary approach with emphasis on classification, inheritance, and the ecology of plants and animals is used. This course is intended for students whose concentration is other than biology, with emphasis on knowledge of the scientific method of the chemical component of living organism and the fundamental relationship between animals and plants.

BIOL 108 (0422) Principles and Concepts of Genetics (IO)

Placement Test Level: General Education Course Placement\*

Prerequisite: None

Credit Hours: 3

Genetics, Principles and Concepts is a course designed to study the patterns and mechanisms of classical inheritance, molecules basis of inheritance and gene expression, DNA technologies, gene expression, cancer genetics and population genetics and evolution.

BIOL 120 (0431) Biology KRSN BIO1010/1011/1012\*\*

Placement Test Level: General Education Course Placement\*

Prerequisite: None

Credit Hours: 5

This course presents a study of the basic concepts of living organisms using an evolutionary approach with emphasis on classification, inheritance, and the ecology of plants and animals. This course is intended for students whose concentration is biology and related disciplines with emphasis on knowledge of the scientific method and the chemical components and functions of cells, and tissues and organisms' structure and function. Laboratory exercises are designed to emphasize and support the course concepts and stress the scientific method of investigation.

BIOL 122 (0404) Environmental Life Science

Placement Test Level: General Education Course Placement\*

Prerequisite: None

Credit Hours: 5

This general education course provides an overview of life science which includes general biology and general ecology topics. This class is directed toward elementary education majors and to provide these majors with a comprehensive exposure to biology, as well as experiments and investigations that can be safely carried out in the elementary classroom. This course will not fulfill any requirements for biology majors; it will fulfill life science requirement for non-biology majors only. This 5 hour course includes 2 hours of lab and requires students to document their lab work and experiences through the use of a paper file system or the computer.

BIOL 124 (0402) General Botany

Placement Test Level: General Education Course Placement\*

Prerequisite: None

Credit Hours: 5

A study of plant growth, physiology, morphology, reproduction, taxonomy, and evolution. This course is open to anyone interested; however, it is directed toward students with a biology concentration. Laboratory exercises accompany lectures.

BIOL 126 (0407) General Zoology

Placement Test Level: General Education Course Placement\*

Prerequisite: None

Credit Hours: 5

\*Refer to the Placement Testing Procedure 3.22, page 24 \*\* Refer to Course Transfer, page 18

Fundamental principles and processes of animal life including relationships, morphology, life history, ecology, genetics, and evolution. This course is open to anyone interested; however, it is directed toward students with a biology concentration. Laboratory exercises accompany lecture.

BIOL 130 (0412) Anatomy and Physiology KRSN BIO2020\*\*

Placement Test Level: General Education Course Placement\*

Recommended Prerequisite: High School Biology with an A or B, BIOL 101 Biology (3 credit hour) or BIOL 120 Biology (5 credit hour)

Credit Hours: 5

This course is designed for one semester and is a comprehensive discipline of Biology. Anatomy and Physiology (A&P) involves both lecture and laboratory study of the human body. The course covers the competencies for anatomy and physiology at the college level as set forth by the State of Kansas Core Competency Committee. The course will integrate the structure and function of the human body. This course meets the requirements for those interested in nursing, respiratory therapy, radiography, physical education, biology majors, minors, and for other health sciences. Lectures and labs are presented in a logical sequence by body systems

BIOL 201 (0411) Microbiology

Recommended as a Prerequisite: BIOL 101 Biology (3 credit hour) or BIOL 120 Biology (5 credit hour) or BIOL 130 Anatomy & Physiology (5 credit hour)

Credit Hours: 5

This course presents a study of microorganisms and their morphological, physiological, and biochemical characteristic response to the environment as well as their influence on the surroundings. Their relationship to the anatomy and physiology of the human body, aspects of parasitism, infection state, body defenses, and methods of control and prevention of infections will also be studied. Laboratory experiments will be conducted relating to bacterial growth, isolation and pure culture techniques as well as physiological characteristics of different microorganisms.

## Business Administration

BUAD 101 (0501) Introduction to Business

Placement Test Level: General Education Course Placement\*

Prerequisite: None

Credit Hours: 3

A study of different aspects of the business world such as marketing, production, finance, and human resource management.

BUAD 104 (0505) Business Law I

Placement Test Level: General Education Course Placement\*

Prerequisite: None

Credit Hours: 3

An introduction to laws covering administrative law, tort law, and contracts. Sophomore standing is recommended.

BUAD 105 (0506) Business Law II

Prerequisite: BUAD 104 Business Law I

Credit Hours: 3

A study of laws covering sales, partnerships, corporations, real property, negotiable paper, insurance, security devices, bankruptcy, wills, and estates. Sophomore standing is recommended.

BUAD 110 (0545) Business Communications

Placement Test Level: General Education Course Placement\*

Prerequisite: None

Credit Hours: 3

This course is designed to develop skills and knowledge necessary for effective business communications – both oral and written, and to provide experience in the application of these skills and knowledge in solving business communication problems.

\*Refer to the Placement Testing Procedure 3.22, page 24 \*\* Refer to Course Transfer, page 18