

Pre-Veterinary Course Descriptions

BIOL 150: General Biology/Lab I (4)

Prerequisite: None

This course is an introductory study of the scientific method, chemical and physical organization of living matter, how living things obtain and use energy, the basic structure and function of cells, heredity, and other basic concepts.

BIOL 151: General Biology/Lab II (4)

Prerequisite: None

This course is an introductory study of classification, bio-diversity, physiology, origins of life, and ecology.

BIOL 202: General Zoology/Lab I (4)

Prerequisite: None

This course is a study of the structure and physiology of the animal cell. It will include basic biology, classification and ecology of the invertebrates, emphasizing major phyla and parasitic groups.

BIOL 203: General Zoology/Lab II (4)

Prerequisite: Prerequisite: None

This course is a survey of the basic biology, classification and ecology of the vertebrates, with emphasizes on the chordates.

CHEM 121: General Chemistry/Lab I (4)

Prerequisite: One year of high school chemistry (or some college chemistry) and two years of high school algebra (or one year of college algebra).

This course is the study of matter, measurement, atoms, ions, molecules, reactions, chemical calculations, thermo chemistry, bonding, molecular geometry, periodicity, and gases.

CHEM 122: General Chemistry/Lab II (4)

Prerequisite: CHEM 121 General Chemistry/Lab I

This course is the study of intermolecular forces, liquids, solids, kinetics, equilibria, acids, and bases, solution chemistry, precipitation, thermodynamics, and electrochemistry.

MATH 111: College Algebra I (3)

Prerequisite: Placement based on TMCC Math Placement Test or MATH 102 Intermediate Algebra

In this course the student will cover graphs and technology, equations, inequalities, functions and their graphs, polynomials and rational functions.

MATH 112: College Algebra II (3)

Prerequisite: Prerequisite: MATH 111 College Algebra I

In this course the student will cover exponential and logarithmic functions, systems of equations and equalities, discrete algebra and analytic geometry.