

Chemistry 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.

CHEM 116: Introduction to Organic Chemistry & Biochemistry/Lab (4)

Prerequisite: CHEM 115 or CHEM 121

This course is the study of alkanes, alkenes, and alkynes aromatics, alcohols, phenols, ethers, aldehydes/ketones, carboxylic acids and esters, amines and amides, carbohydrates, lipids, amino acids, proteins, and nucleic acids.

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.