

BIOS302 : Bioinformatics

This course is designed to introduce students to the field of bioinformatics and genomics. An examination of the genomic organization of viral, bacterial, plant, animal, and human organisms will be performed. The central role of bioinformatics in managing and mining the vast amounts of biological information generated from the genome projects will be emphasized. This course will provide foundation for system biology and pathology informatics.

Credits 3

Prerequisites

BIOS203 Anatomy and Physiology I and BIOS204 Anatomy and Physiology II OR BIOS234 Anatomy and BIOS235 Physiology; BIOS120 Cell Biology or CHEM 103 Principles of Chemistry.

Prerequisite Courses

BIOS203
BIOS204
BIOS334
BIOS335
BIOS120
CHEM103