Introduction of the scientific method, experimental design, chemical instrumentation, data collection and analysis, and preparation of laboratory reports will be emphasized.

Prerequisite: CHEM 1411 with a grade of 'C' or better.

♦ CHEM 2423

Organic Chemistry II
CRT HRS:4 LEC HRS:3 LAB HRS:3 OTH HRS:0
Advanced principles of organic chemistry will be studied, including the structure, properties, and reactivity of aliphatic and aromatic organic molecules; and properties and behavior of organic compounds and their derivatives. Emphasis is placed on organic synthesis and mechanisms. Includes study of covalent and ionic bonding, nomenclature, stereochemistry, structure and reactivity, reaction mechanisms, functional groups, and synthesis of simple molecules. Laboratory activities will reinforce fundamental principles presented in CHEM 2423 lecture. Methods for the purification and identification of organic compounds will be examined. THIS COURSE IS INTENDED FOR STUDENTS IN SCIENCE OR PRE-PROFESSIONAL PROGRAMS.

Prerequisite: CHEM 1412 with a grade of 'C' or better.

♦ CHEM 2425

Organic Chemistry I
CRT HRS:4 LEC HRS:3 LAB HRS:3 OTH HRS:0
Fundamental principles of organic chemistry will be studied, including the structure, bonding, properties, and reactivity of organic molecules; and properties and behavior of organic compounds and their derivatives. Emphasis is placed on organic synthesis and mechanisms. Includes study of covalent and ionic bonding, nomenclature, stereochemistry, structure and reactivity, reaction mechanisms, functional groups, and synthesis of simple molecules. Laboratory activities reinforce advanced principles of organic chemistry presented in CHEM 2425 lecture. THIS COURSE IS INTENDED FOR STUDENTS IN SCIENCE OR PRE-PROFESSIONAL PROGRAMS.

Prerequisite: CHEM 2423 with a grade of 'C' or better.