

CHEM 012A Organic Chem for Sci Majors I (3)

Class Hours: 54 Lecture

Prerequisite(s): CHEM 001A

Advisory(s): CHEM 001B (Recommended, Previous or concurrent).

Transfers to: UC/CSU

C-ID: CHEM 150

Organic Chemistry for Science Majors I

CHEM 012A is the first course in a two course sequence in organic chemistry intended for majors in the natural sciences (chemistry, biochemistry, biology, physics, and pre-medicine). A study of all aspects of fundamental organic chemistry including nomenclature, chemical and physical properties, reactions and syntheses of the major classes of organic compounds will be cover by the two-course sequence. The course sequence includes advance topics of organic chemistry such as theoretical aspects, reaction mechanisms, multistep syntheses, and the chemistry of polycyclic and heterocyclic compounds. This course is more extensive an intensive than CHEM 002B and includes a greater emphasis on reaction mechanisms and multistep syntheses.

CHEM 012AL Organic Chemistry Lab for Scie (1)

Class Hours: 54 Laboratory

Prerequisite(s): CHEM 001A

Corequisite(s): CHEM 012A

Transfers to: UC/CSU

Organic Chemistry Lab for Science Majors I

CHEM 012AL is the first laboratory course of a one-year lab course sequence in organic chemistry intended for majors in the natural sciences (chemistry, biochemistry, biology, physics, and pre-medicine). A study of all aspects of fundamental organic chemistry including nomenclature, chemical and physical properties, reactions and syntheses of the major classes of organic compounds will be cover by the two-course sequence. The course sequence includes advance topics of organic chemistry such as theoretical aspects, reaction mechanisms, multistep syntheses, and the chemistry of polycyclic and heterocyclic compounds. This course is more extensive and intensive than CHEM 002B and includes a greater emphasis on reaction mechanisms and multistep syntheses.
