
Chemistry (CHEM)

CHEM 012B **Organic Chemistry for Science** (3)

Class Hours: 54 Lecture

Prerequisite(s): CHEM 001A and CHEM 012A

Advisory(s): CHEM 001B

Transfers to: UC/CSU

C-ID: CHEM 160 S

Organic Chemistry for Science Majors II

CHEM 012B is the second semester of a one-year course 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. The study includes 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. (is just the lecture only course. The lab component is CHEM 012BL.)

CHEM 012BL **Organic Chemistry Lab for Scie** (1)

Class Hours: 72 Laboratory

Prerequisite(s): CHEM 012A and CHEM 012AL

Corequisite(s): CHEM 012B

Transfers to: UC/CSU

C-ID: CHEM 160 S

Organic Chemistry Lab for Science Majors II

CHEM 012BL is the second semester of a one-year lab course 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.
