

COURSES

CHEMISTRY COURSES

CHM 001A General Chemistry (3.0 Units/2.0 Lab) 5.0 UNITS

Prerequisite: CHM 002 or High School Chemistry with a "B" or better; and MAT 000C or MAT 000CM. This course is pre-professional chemistry for students planning a career in science related fields. High school Chemistry with a B or better is required.

CHM 001AH General Chemistry I - Honors (3.0 Units/2.0 Lab) 5.0 UNITS

Chemistry 001A is the first of a two-semester of general college-level inorganic chemistry series designed for students majoring in biology, chemistry, engineering, pre-med, and other fields demanding rigorous scientific preparation. Not recommended for nursing. Students cannot get credit for both CHM 001A and CHM 001AH. High school Chemistry with a B is also required. This section requires enrollment in the Honors Transfer Project. More information and the online application can be found at <http://honors.missioncollege.edu>.

CHM 001B General Chemistry (3.0 Units/2.0 Lab) 5.0 UNITS

Prerequisite: CHM 001A or CHM 001AH. This course is a continuation of CHM 001A (General Chemistry I) and is intended for majors in chemistry, biological sciences, engineering, and professional programs in medicine and pharmacy. Topics include chemical kinetics, chemical equilibrium, thermodynamics, electrochemistry, chemistry of the transition elements, and selected topics in nuclear chemistry.

CHM 001BH General Chemistry II - Honors (3.0 Units/2.0 Lab) 5.0 UNITS

This course is a continuation of CHEM 001A (General Chemistry I) and is intended for majors in chemistry, biological sciences, engineering, and professional programs in medicine and pharmacy. Topics include chemical kinetics, chemical equilibrium, thermodynamics, electrochemistry, chemistry of the transition elements, and selected topics in nuclear chemistry. Students cannot get credit for both CHEM 001B and CHEM 001BH. This section requires enrollment in the Honors Transfer Project. More information and the online application can be found at <http://honors.missioncollege.edu>.

CHM 002 Introductory Chemistry (3.0 Units) 3.0 UNITS

Prerequisite MAT 000C or any MAT course higher than MAT 000C. This is a preprofessional chemistry course designed for students planning a career in science-related fields and to prepare students for CHM 001A.

CHM 002L Introductory Chemistry Laboratory (1.0 Unit) 1.0 UNIT

Corequisite CHM 002 or Prerequisite CHM 002 This course is a laboratory component to accompany CHM 002: Introductory Chemistry.

CHM 012A Organic Chemistry I (3.0 Units/2.0 Lab) 5.0 UNITS

Prerequisite: CHM 001B or CHM 001BH. This course is a study of the fundamentals of organic chemistry with emphasis on underlying concepts. It is recommended for chemistry majors, chemical engineering majors, and most biology majors, pre-pharmacy, pre-medical and pre-dental students.

CHM 012AH Organic Chemistry I - Honors (3.0 Units/2.0 Lab) 5.0 UNITS

This course is a study of the fundamentals of organic chemistry with emphasis on underlying concepts. It is recommended for chemistry majors, chemical engineering majors, and most biology majors, pre-pharmacy, pre-medical and pre-dental students. Students cannot get credit for both CHEM 012A and CHEM 012AH. This section requires enrollment in the Honors Transfer Project. More information and the online application can be found at <http://honors.missioncollege.edu>.

CHM 012B Organic Chemistry II (3.0 Units/2.0 Lab) 5.0 UNITS

Prerequisite: CHM 012A or CHM 012AH. This course is the continuing study of the fundamentals of organic chemistry with emphasis on underlying concepts. It is recommended for chemistry majors, chemical engineering majors, and most biology majors, pre-pharmacy, pre-medical and pre-dental students.

CHM 012BH Organic Chemistry II - Honors (3.0 Units/2.0 Lab) 5.0 UNITS

This honors course is the continuing study of the fundamentals of organic chemistry with emphasis on underlying concepts. It is recommended for chemistry majors, chemical engineering majors, and most biology majors, pre-pharmacy, pre-medical and pre-dental students. Students cannot get credit for both CHM 012B and CHM 012BH. This section requires enrollment in the Honors Transfer Project. More information and the online application can be found at <http://honors.missioncollege.edu>.

CHM 030A Fundamentals of Chemistry (3.0 Units/1.0 Unit) 4.0 UNITS

Prerequisite MAT 903 or Prerequisite MAT 903M or higher CHM 030A is an introductory chemistry course designed for nursing and allied-health majors. Topics include dimensional analysis, inorganic nomenclature, atomic and molecular structure, bonding, chemical reactions, gas laws, solutions, acids-bases, oxidation-reduction, equilibrium and electrolyte systems. This course is not recommended for students majoring in biology or chemistry or for those seeking entry to professional programs in medicine or pharmacy.

CHM 060 Survey of General, Organic, and Biological Chemistry (3.0 Units/1.0 Unit) 4.0 UNITS

Prerequisite MAT 903 or Prerequisite MAT 903M or any higher math Chemistry 060 is a one-semester survey of General, Organic, and Biological Chemistry designed for students majoring in health sciences such as nursing or physical therapy.