

COURSES

PDF CHEMISTRY

and sciences majors. Continues CHEM 241. Three hours lecture.

CHEM241L Organic Chemistry for Life Sciences Laboratory I 1 Credit

Prerequisites: CHEM122 ; Corequisites: CHEM241
Introduces the chemistry of carbon compounds; functional groups; relationships among molecular structure, properties and reactivity and biological relevance. For life and environmental sciences majors. Three hours laboratory.

CHEM242L Organic Chemistry for Life Sciences Laboratory II 1 Credit

Prerequisites: CHEM241 & CHEM241L;
Corequisite: CHEM242 Provides an emphasis on functional groups, fundamental reaction mechanisms, and biomolecules. For life science and sciences majors. Three hours laboratory.

CHEM100 Molecules and Life in the Modern World 3 Credits

Prerequisites: MATH120 or higher Introduces chemistry with emphasis on impacts on human society, environmental issues, energy sources and life processes. Includes four laboratory experiments.

CHEM121 General Chemistry I 4 Credits

Prerequisite: MATH 126 with a grade of C- or higher; or, placement into higher MATH course (excluding MATH 176); or, ACT MATH score of 25 or higher or SAT MATH score of 560 or higher; or, a grade of B- or better in high school precalculus. Provides fundamentals of chemistry including reaction stoichiometry, atomic structure, chemical bonding, molecular structure, states of matter and thermochemistry. Three hours lecture/ three hours laboratory.

CHEM122 General Chemistry II 4 Credits

Prerequisites: CHEM121; and, MATH 127 or MATH 128 Provides fundamentals of chemistry including solutions, kinetics, equilibria, thermodynamics, electrochemistry, nuclear chemistry and properties of inorganic and organic compounds. Three hours lecture/three hours laboratory.

CHEM220 Introductory Organic Chemistry 4 Credits

Prerequisites: CHEM121 Surveys the principles of carbon chemistry. Credit allowed in only one of CHEM 220 or 241. Three hours lecture/three hours laboratory.

CHEM241 Organic Chemistry I 3 Credits

Prerequisites: CHEM122 Introduces the chemistry of carbon compounds; functional groups; relationships among molecular structure, properties and reactivity and biological relevance. For life and environmental sciences majors. Credit allowed in only one of CHEM 220 or 241. Three hours lecture.

CHEM242 Organic Chemistry II 3 Credits

Prerequisites: CHEM241 Provides an emphasis on functional groups, fundamental reaction mechanisms, and biomolecules. For life science