

# 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    3-4 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