

## CHM - CHEMISTRY (CHM)

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### **CHM 106 Contemporary Chemistry I 4 SHC**

This is a survey course in chemistry for non-science majors emphasizing basic principles. Topics include atomic and molecular structure, nuclear chemistry, formulas and nomenclature, states of matter, chemical reactions, acids and bases. Laboratory sessions emphasize applications of basic techniques and supplement lecture topics.

Prerequisites: ENG 100 and RDG 100, or RWR 100, and a minimum grade of C in MAT 102 or appropriate placement test scores.

Lecture Hours: 3

Lab/Clinical Hours: 3

### **CHM 107 Contemporary Chemistry II 4 SHC**

This is a survey course in chemistry for non-science majors emphasizing applications of chemistry to present society. Topics include organic chemistry, polymers, biochemistry, consumer and environmental chemistry, drugs, fitness and health. Laboratory sessions emphasize applications of basic techniques and supplement lecture topics.

Prerequisites: Minimum grade of C in CHM 106.

Lecture Hours: 3

Lab/Clinical Hours: 3

### **CHM 110 College Chemistry I 4 SHC**

This is the first course in a sequence that includes the following topics: atomic and molecular structure, nomenclature and equations, properties, reactions and states of matter, stoichiometry, gas laws, solutions and equilibria. Note: The lab portion of this course may require off-campus meetings for which students will be responsible for their own transportation.

Prerequisites: RDG 100 and ENG 100, or RWR 100, and a minimum grade of C in MAT 110 or appropriate algebra placement score.

Lecture Hours: 3

Lab/Clinical Hours: 3

### **CHM 111 College Chemistry II 4 SHC**

(For students continuing in chemistry) this course is a continuation of the study of atomic and molecular structure, nomenclature and equations, properties, reactions and states of matter, stoichiometry, gas laws, solutions, and equilibria. Other topics included are kinetics, thermodynamics, and electrochemistry. This course should be considered a basis for future studies in other areas of chemistry. Note: The lab portion of this course may require off-campus meetings for which students will be responsible for their own transportation.

Prerequisites: Minimum grade of C in CHM 110.

Lecture Hours: 3

Lab/Clinical Hours: 3