

CHEM – Chemistry

CHEM 1211 - Chemistry I

3.000 Credits

Prerequisites: MATH 1111 or MATH 1101

Corequisites: CHEM 1211L

Provides an introduction to basic chemical principles and concepts which explain the behavior of matter. Topics include measurement, physical and chemical properties of matter, atomic structure, chemical bonding, nomenclature, chemical reactions, and stoichiometry and gas laws.

CHEM 1211L - Chemistry I Lab

1.000 Credits

Prerequisites: MATH 1111

Corequisites: CHEM 1211

Selected laboratory exercises paralleling the topics in CHEM 1211. The laboratory exercises for this course include measurement, physical and chemical properties of matter, atomic structure, chemical bonding, nomenclature, chemical reactions, stoichiometry and gas laws.

CHEM 1212 - Chemistry II

3.000 Credits

Prerequisites: CHEM 1211; CHEM 1211L

Corequisites: CHEM 1212L

Continues the exploration of basic chemical principles and concepts. Topics include equilibrium theory, kinetics, thermodynamics, solution chemistry, acid-base theory, and nuclear chemistry.

CHEM 1212L - Chemistry II Lab

1.000 Credits

Prerequisites: CHEM 1211; CHEM 1211L

Corequisites: CHEM 1212

Selected laboratory exercises paralleling the topics in CHEM 1212. The laboratory exercises for this course include equilibrium theory, kinetics, thermodynamics, solution chemistry, acid-base theory, and nuclear chemistry.