

CHEM 1110/1111 – General Chemistry I (and lab)

- 4 credit hours (3 hours lecture; 1 hour lab)
- Pre/Co-requisite: MATH 1730 (Pre-calculus); with a grade of C or higher
- Description: Fundamental laws and theories; elements, compounds, and mixtures; atomic structure; kinetic theory, and gas laws; chemical calculations, and chemistry of solutions.
- Students taking this class: Chemistry, biology, geoscience, and pre-professional health majors

CHEM 1120/1121 – General Chemistry II (and lab)

- 4 credit hours (3 hours lecture; 1 hour lab)
- Pre-requisites: CHEM 1110/1111; MATH 1730 (Pre-calculus); with grades of C or higher
- Description: Acids, bases, and salts; kinetics, electrochemistry, thermodynamics; descriptive chemistry; nuclear chemistry
- Students taking this class: Chemistry, biology, geoscience, and pre-professional health majors

CHEM 1010/1011 – Chemistry: Society and the Environment I (and lab)

- 4 credit hours (3 hours lecture; 1 hour lab)
- Description: The nature of matter and energy, the developments of chemical technology, and the interaction of this technology with humans and their environment. Topics include atomic structure, energy in matter, chemical bonding and molecular structure, solutions, acid-base reactions and redox reactions.
- Students taking this class: Agriculture majors, non-science majors

CHEM 1020/1021 – Chemistry: Society and the Environment II (and lab)

- 4 credit hours (3 hours lecture; 1 hour lab)
- Pre-requisite: CHEM 1010/1011; with grades of C or higher
- Description: Basic organic chemistry, synthetic polymers, biochemistry, air and water pollution, consumer chemistry and energy sources
- Students taking this class: Agriculture majors, non-science majors