

Lower-Division Course Descriptions

CHM 001 Introductory General Chemistry (4) Three lectures and one four-hour laboratory per week. The periodic table, atomic structure, and other fundamentals of chemistry, including laboratory.

CHM 004 Chemistry, Culture and Society (4) Survey course that teaches the basic concepts of chemistry. Key episodes in the history of chemistry are used to develop an understanding of how science functions and describe modern ideas about matter, including atomic-molecular theory, energy, chemical periodicity, chemical bonding, and molecular structure. This understanding is then used to describe the chemistry of petroleum derivatives, plastics, living systems, food, drug action, chemically-intensive agriculture, the environment, and contemporary energy technologies. The course also considers the impact of chemical technology on society by exploring chemistry's benefits and environmental, human health, and social risks associated with the development, manufacture, and use of chemicals. As part of this exploration students are urged to consider the relationships between science, technology, and Christian thought and practice.

CHM 005 General Chemistry I (4) Prerequisites: Admissions math requirement (see Applying to Westmont)). Corequisite: CHM 005L. Three lectures and one four-hour laboratory per week. Covers basic concepts of physical, inorganic, organic, analytical and nuclear chemistry.

CHM 006 General Chemistry II (4) Prerequisites: CHM 005. Corequisite: CHM 006L. Three lectures and one four-hour laboratory per week. Covers basic concepts of physical, inorganic, organic, analytical and nuclear chemistry.

CHM 005H, 006H General Chemistry I, II: Honors (4,4) Prerequisites: By invitation only and Admissions math requirement (see Applying to Westmont). Three lectures and one four-hour laboratory per week. A survey of concepts in physical, inorganic, organic, analytical and nuclear chemistry. Examines each topic with more rigor than CHM 005, 006.

CHM 014 Scientific Glassblowing (1) Practical construction and repair of glass apparatus. One three-hour laboratory per week.