

Chemistry 140 : Advanced General Chemistry

A one-semester accelerated course in introductory chemistry designed for students with AP or IB chemistry or other strong high school background in chemistry. The topics will include, but are not limited to, introductory chemistry concepts covered in CHEM 125-126, and will be covered in a greater detail at a faster pace. Laboratory experiments will complement the concepts developed in lecture, and will develop students' skills in gravimetric and volumetric analysis, quantitative reasoning, and data acquisition, analysis and visualization. Problem solving involves the use of algebra and some basic calculus. Three lectures and one three-hour laboratory per week.

Credits 4

Prerequisites

Mathematics 124 or 125 (or equivalent); and a score of 4 or 5 on the AP Chemistry exam, a score of 5 or higher in IB Chemistry (HL), or a passing score on a qualifying exam taken online prior to Fall semester registration.

Corequisites

Includes a required corequisite lab, Chemistry 140L.