

**Options for Implementing
College in High School Chemistry*****General Chemistry 1***
CHEM 0110

This is the first half of a two-term introduction to general chemistry. Topics covered include stoichiometry, atomic and molecular structure, states of matter and an introduction to equilibria and thermodynamics. Problem solving and laboratory experiences are a functional part of this course. High school chemistry is a prerequisite for the course. The grade is determined largely by the student's performance on three exams, laboratory exercises and a comprehensive final, but includes a high school component, which may include homework and weekly quizzes. Laboratory exercises are conducted at the University by the Director of Freshman Laboratories and his staff of graduate teaching assistants. The recommended text for this course is *General Chemistry* - 9th ed. or later, by Ebbing and Gammon; Cengage Publishing

Department of Chemistry Course Policies

1. Students will need a scientific calculator for this course.
2. This course uses examinations created by the University of Pittsburgh CHS Faculty Liaison.
3. The laboratory sessions for this course take place in the University of Pittsburgh Department of Chemistry laboratories.

Possible Paths to CHS Chemistry 0110

College in High School Chemistry 0110 is a flexible course that has been implemented in several different ways. Below are some of the ways that schools have successfully offered the course.

1. General Chemistry —→ **CHS Chemistry**

2. General Chemistry —→ **CHS Chemistry** —→ AP Chemistry

3. General Chemistry —→ **CHS Chemistry & AP Chemistry (together)**

This option is rarely used but can be successful. If this option is being considered, it is recommended that the teacher discusses the course structure ahead of time with the CHS Faculty Liaison.