

Troy High School Course Profile

Course Title: Honors Chemistry

Course Pre-Requisites: Refer To Registration Presentation

Recommended: Completed Honors Geometry or Honors Algebra II with B-/B- or higher

Course Description:

Honors chemistry is a highly-challenging class with an emphasis on problem solving. It moves at a high-pace through the different areas of chemistry: atomic structure, the mole concept, stoichiometry, quantum mechanics, bonding, states of matter, thermodynamics, kinetics, equilibrium, acids/bases, oxidation-reduction, organic, and environmental.

Students entering this course should already have a mastery of the following concepts and possess the following skills:

- Strong quantitative reasoning skills: students who have struggled in past honors math courses are highly likely to struggle in honors chemistry as well
- Independence and self-responsibility: students needing outside tutoring are probably in the wrong course level
- This course is generally not recommended as a first honors course for students unaccustomed to working at the honors/AP level

Workload Expectations for this course (list typical amount of homework, projects, presentations, papers, etc.):

- 30 to 60 minutes per night of problem solving, reading, and general studying
- Lab work biweekly