

**Tutor:** Natalie Martin  
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**Grade Level:** 10<sup>th</sup>-12<sup>th</sup>

**Pre-requisites:** Algebra 1, General/Physical Science

**Course Description:** This course gives students a rigorous foundation in chemistry that presents science concepts that prepares students for college level work. Topics covered are significant figures, units, classification, the mole concept, stoichiometry, thermochemistry, thermodynamics, kinetics, acids and basics, redox reactions, solutions, atomic structure, Lewis structures, molecular geometry, gas laws, and equilibrium. Experiments will be performed throughout the course to reinforce principles being taught.

**Curriculum/Textbook:** Exploring Creation with Chemistry (3rd Edition), Author: Kristy Plourde, Publisher: Apologia Educational Ministries Inc., ISBN: 978-1-940110-25-7

**Course Code:** 2003340 CHEM 1

**Supplies Required:** Scientific calculator.

- **Monthly class cost:** \$10.00 per week
- **Materials Fee:** \$40 per year

**Minimum # of students:** 4

**Maximum # of students:** 14

