

Alameda High School

Concurrent Enrollment Courses

Course	Description	Credits
CHE 111 <i>Spring Enrollment</i>	General College Chemistry High School Instructor: Merinda Sautel Focuses on basic chemistry and measurement, matter, chemical formulas, reactions and equations, stoichiometry and thermochemistry. This course covers the development of atomic theory culminating in the use of quantum numbers to determine electron configurations of atoms, and the relationship of electron configuration to chemical bond theory and molecular orbital theory. The course includes gases, liquids, and solids and problem-solving skills are emphasized through laboratory experiments. Prerequisites: CHE 101 or one year of high school Chemistry ACT Scores: English 18 and Math 24 or SAT Scores: Verbal 440 and Math 590	5
CHE 112 <i>Spring Enrollment</i>	General College Chemistry II High School Instructor: Merinda Sautel Presents concepts in the areas of solution properties, chemical kinetics, chemical equilibrium, acid-base and ionic equilibrium, thermodynamics, electrochemistry, nuclear chemistry, and organic chemistry. This course emphasizes problem solving skills and descriptive contents for these topics. Laboratory experiments demonstrate qualitative and quantitative analytical techniques. Prerequisite: CHE 111- Chemistry I Plans of Study: http://www.rccc.edu/chemistry http://www.rccc.edu/catalogs/15-16/aa-degree-requirements.htm	5

<p>ENY101</p> <p><i>Spring Enrollment</i></p>	<p>Introduction to Energy Technology</p> <p>High School Instructor: Lane Warner</p> <p>Introduces the energy technologies in use today and those that are in the research stage as possible alternatives. The course presents technologies, including active solar heating, passive solar heating, wind energy systems, biomass, photovoltaic, co-generation, low and high head hydro, hydrogen, geothermal, power towers and energy storage systems.</p> <p>Prerequisite: N/A</p> <p>Plan of Study: http://www.rcc.edu/renewable-energy</p>	<p>3</p>
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