

# CHEM 0140 - SURVEY OF CHEMISTRY AND PHYSICS

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## Catalog Description

Also known as PHYS 140

Prerequisite: Completion of MATH D with grade of "C" or better, or placement by matriculation assessment process

Hours: 108 (54 lecture, 54 laboratory)

Description: A conceptual introduction to the basic principles of physics and chemistry including matter, physical and chemical properties, forces and motion, energy, electromagnetism, electromagnetic waves, atomic structure, bonding, solutions and chemical reactions. The interdependence of chemistry and physics will be emphasized. This course is intended for non-science majors. (C-ID CHEM 140) (CSU, UC)

## Course Student Learning Outcomes

### Effective Term

### Course Type

### Contact Hours

### Outside of Class Hours

### Total Student Learning Hours

### Course Objectives

### General Education Information

- Approved College Associate Degree GE Applicability
- CSU GE Applicability (Recommended-requires CSU approval)
- Cal-GETC Applicability (Recommended - Requires External Approval)
- IGETC Applicability (Recommended-requires CSU/UC approval)

### Articulation Information

### Methods of Evaluation

### Repeatable

### Methods of Instruction

### Typical Out of Class Assignments

### Reading Assignments

### Writing, Problem Solving or Performance

### Other (Term projects, research papers, portfolios, etc.)

### Required Materials

### Other materials and-or supplies required of students that contribute to the cost of the course.