

# PHYSICAL SCIENCE

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## PHYSICAL SCIENCE (PHSC)

DIVISION: Natural Sciences

### PHSC 002 SCIENTIFIC METHOD AS CRITICAL THINKING

**3 unit**

*Transfer Credit: CSU; UC*

**Prerequisite(s):** ENGL 001A, 001AH, or 001AS

Written expression and analysis of ideas, arguments and issues in the Sciences. Instruction in critical thinking, inductive and deductive reasoning, and the scientific method. Particular emphasis on compositional expression necessary in developing a complex scientific argument. Total of 54 hours lecture.

**Grade Mode:** Audit, Letter Grade, Pass/No-Pass

### PHSC 003 PHYSICAL SCIENCES

**3 unit**

*Transfer Credit: CSU; UC credit limitations. See counselor.*

*C-ID: CHEM 140 (WITH PHSC 003L) or PHYS 140 (WITH PHSC 003L)*

**Prerequisite(s):** Intermediate algebra or placement into any Math class numbered 001-099

Basic principles of physics and chemistry and their applications to modern daily life with a primarily conceptual approach. Emphasis on critical thinking skills and general methods of scientific inquiry. Recommended for students in the California State Teacher's Preparation Program and other appropriate non-sciences majors but open to all qualified students. Total of 54 hours lecture.

**Grade Mode:** Audit, Letter Grade, Pass/No-Pass

### PHSC 003L LABORATORY FOR PHYSICAL SCIENCE

**1 unit**

*Transfer Credit: CSU; UC credit limitations. See counselor.*

*C-ID: CHEM 140 (WITH PHSC 003) or PHYS 140 (WITH PHSC 003)*

**Prerequisite(s):** Enrollment in or completion of PHSC 003

Laboratory investigation of the basic principles of physics and chemistry and their applications to modern daily life with a primarily conceptual approach, with emphasis on critical thinking skills and general methods of scientific inquiry. Recommended for students in the California State Teacher Preparation Program and other appropriate non-sciences majors. Total of 54 hours laboratory.

**Grade Mode:** Audit, Letter Grade, Pass/No-Pass