

PHYSICAL SCIENCE (PHSC)

PHSC 3 Energy Science

4 Units (Degree Applicable, CSU, UC)

Lecture: 54 Lab: 54

Prerequisite: Eligibility for MATH 100 and Eligibility for ENGL 68

Physical principles underlying the various forms of energy production, the role of energy in modern society, and an understanding of the wider environmental and societal impacts of different energy production technology choices. Course topics will include: fossils fuels, nuclear energy, hydro, wind, solar energy, biofuels, and energy distribution and storage. Field trips required.

PHSC 9 Physical Science

4 Units (Degree Applicable, CSU, UC, C-ID #: PHYS 140)

Lecture: 54 Lab: 54

Prerequisite: Eligibility for MATH 71 and Eligibility for ENGL 68

Designed for the non-science major. A primarily non-mathematical, conceptual approach to basic principles of physics and chemistry and their practical applications. Critical thinking is stressed in such topics as motion, energy, heat, electricity and magnetism, sound and light, radioactivity, atomic theory, chemical reactions, and modern physics. Includes lab.