

# SCIENCE, MATH AND TECH (SMT)

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**SMT 310. Science and Technology. (3 Units)**

Prerequisite: Completion of lower division General Education. An assessment of the interrelationships of Science and Technology. Study of the development of technological advances and the scientific principles behind them.

Offered Fall, Spring, Summer

**SMT 312. Natural Disasters. (3 Units)**

Prerequisite: Completion of lower division General Education. Impact of natural events on human activities and vice versa. Mankind's uneasy relationship with atmosphere, oceans and not-so-solid Earth. Will include study of earthquakes, volcanoes, floods, landslides, tsunamis, climate change, hurricanes, tornadoes and wildfires.

Offered Fall, Spring

**SMT 314. Introduction to Cosmology. (3 Units)**

Prerequisite: Completion of lower division General Education. An introduction to the major theories of the origin and structure of the universe and the evidence for them, with attention to the way earlier ideas have been incorporated in modern thought. The Big Bang Theory will be examined in depth.

Offered Fall, Spring

**SMT 410. Development of Scientific Thinking and Theories. (3 Units)**

Reviews the processes that have lead to the development of significant theories in science. Historical and scientific look at such developments, illustrating the adaptability of the scientific method. Addresses the philosophical implications of such developments and their impact on society.

Offered Fall, Spring

**SMT 416. Earth Science For Teacher. (3 Units)**

Prerequisite: Completion of lower division General Education. Study of planet Earth including such topics as geology, volcanoes, earthquakes, fossils, oceanography, weather, and astronomy as appropriate for elementary and junior high school teachers. Two hours of lecture and three hours of laboratory per week.

Offered Fall, Spring