

SCIENCE (SCI)

SCI 100. Introduction to Natural Science. (4 Credits)

This course studies selected topics from the natural sciences with emphasis on practical implications of an understanding of those topics. Laboratory course.

SCI 110. Introduction to Life and Physical Sciences. (4 Credits)

This course provides education and athletic training students with an understanding of the nature of science and how it coheres with a Christian worldview. Inquiry-based experiences in physical, life, earth space, and environmental sciences reinforce content areas and practices addressed by state and national science standards. Laboratory course.

SCI 175. Introduction to Environmental Science. (3 Credits)

This course introduces students to vocabulary, major concepts, and contemporary issues related to the natural world and human interaction with it.

SCI 195. Meteorology. (3 Credits)

This course provides a physical description of the weather variables (temperature, wind, moisture, pressure, solar radiation, vorticity, etc.) and the relationships that exist among them. This knowledge will be used to explain weather events such as frontal passages, cloud formation, thunderstorms, and tornadoes. This course will also investigate techniques of forecasting future weather events.

SCI 215. Atmospheric and Space Science. (4 Credits)

The first half of the course will include a study of the dynamics of the atmosphere including the processes atmospheric motion, global circulation, weather patterns, severe weather and the techniques used in weather forecasting. The second half of the course will include a study of the dynamics of earth's motions relative to the sun, moon and stars as well as an exploration of planets, comets, asteroids and cosmogony. Laboratory Course.

SCI 235. Earth Science. (4 Credits)

This course is an integrated study of the materials physical features of Earth and the processes that form and shape them. Map skills are also developed. Laboratory course.

SCI 246. Oceanography. (4 Credits)

This course is a study of the chemical, geologic, physical, and biological features of Earth's oceans. Topics covered include the history of oceanography, chemistry and physical properties of sea water, waves, global currents seas, and submarine morphology. Laboratory course.

SCI 275. Cosmogony. (3 Credits)

This course is the study of origins. Questions regarding the origin of the physical universe and life (including human beings) will be explored and possible answers will be offered. The two possible cosmogonic models, Evolution and Creation, will be treated in-depth from a scientific perspective. The nature of science and the differences between operational science and origin science will also be investigated. The primary emphasis of this course concerns scientific evidences for origins; however, philosophical and theological evidences will also be discussed. Students must have a college-level physical or biological science course prior to taking this class.