

SCIENCE AND MATH (SCM)

SCM101 Physical Science Ideas for the 21st Century (4 course hours)

This lab science course introduces students to some of the ideas in Physics, Chemistry, Astronomy, Meteorology and Geology which impact human life in the 21st Century. Completion of lab activities is a course requirement.

SCM102 Scientific Ideas in Life Science that Impact the 21st Century (3 course hours)

The course studies the fundamental principles and processes in selected topics in the Life Sciences such as the nature of life, evolutionary theory, environmental science, human biology and genetics. The course also investigates the issues related to these topics that affect the 21st century using inquiry-based, active learning experiences.

SCM120 Conservation Education (2 course hours)

This course provides students with environmental/earth science concepts, background and application with interdisciplinary concepts to support Illinois academic standards. Students also receive training in outdoor education techniques for teaching environmental education. REGISTRATION: This course is intended for early childhood majors only. Meets one week prior to start of regular term.

Course offered: FA

SCM181C Concepts in Chemistry (2 course hours)

This lab-science course is a study of the fundamental principles and processes in chemistry, with an emphasis on explaining the properties of matter in terms of the structure and interactions of atoms and molecules. A familiarization of the scientific method through inquiry-based, active learning experiences and lab activities is provided in the course. Fulfills: Any two SCM181 courses taken together may be used as science/mathematics general education credit on majors other than SCM.

Course offered: SP

SCM181E Concepts in Earth/Space Science (2 course hours)

This lab-science course is a study of the fundamental principles and processes in Earth Science and Astronomy such as objects in the sky, changes in earth and sky, structure of the earth system and earth in the solar system. A familiarization of the scientific method through inquiry-based, active learning experiences and lab activities is provided in the course. Fulfills: Any two SCM courses taken together may be used as science/mathematics general education credit on majors other than SCM.

Course offered: FA

SCM181L Concepts in Life Science (2 course hours)

This lab-science course is a study of the fundamental principles and processes in the Life Sciences such as the nature of life, evolutionary theory, environmental science, human biology, and genetics. A familiarization of the scientific method through inquiry-based, active learning experiences and lab activities is provided in the course. Fulfills: Any two SCM181 courses taken together may be used as science/mathematics general education credit on majors other than SCM.

Course offered: SP

SCM181P Concepts in Physics (2 course hours)

This lab-science course is a study of the fundamental principles and processes in Physics such as properties, types, and interactions of matter and energy, motions and forces, waves and light, electricity and magnetism. A Familiarization of the scientific method through inquiry-based, active learning experiences and lab activities is provided in the course. Fulfills: Any two SCM181 courses taken together may be used as science/mathematics general education credit on majors other than SCM.

Course offered: FA

SCM219 Sophomore Science Seminar (1 course hour)

An introduction to the integration of Science with the Christian Faith. This course will explore a variety of historical and current issues arising at the intersection of Faith and Science. Students will learn how various Christian Scientist have answered the questions themselves and will practice defining and describing their own positions and responses to these issues through writing.

Sophomore standing

Course offered: FA

SCM319 Junior Science Seminar (1 course hour)

An integrative course designed to explore issues between science and Christian faith related to the study of the origin of the universe and man. Students will explore responses to these issues from modern Christians and scientist and develop their own position. Students will further reflect on how the Judson experience is shaping them as whole persons and preparing them to shape the world as future scientists. Fulfills: GEN301 Equivalent

Upperclass students only

Pre-requisites: SCM219

Course offered: SP

SCM419 Senior Science Seminar (1 course hour)

An integrative capstone course designed to assist students in their transition to the professional world. The course includes assessment of skills necessary for success in graduate and professional schools and in the workplace, portfolio and resume development, presentations by alumni and other professionals, and discussion of current topics in science and the integration of science and Christian faith. Required for graduation of students majoring in Science-Math General, Biology, Chemistry, Biochemistry and Environmental Science.

Limited to Seniors only

Course offered: FA