

SCIENCE (SCI)

The courses designated with the SCI prefix do not constitute a program or curriculum within themselves. Instead they are courses which support or complement programs across all of the science disciplines.

Science Courses

SCI 110. Habitable Planet (with laboratory). (4 Credits)

An introduction to earth science and ecology. Topics include earth history, the fossil record, biogeochemical cycles, climate, energy flow, biodiversity, evolution, population growth and regulation. This course is designed for students seeking licensure as elementary teachers (grades K-6).

Additional course fee applies.

SCI 111. Nature of Science. (1 Credit)

An introduction to science as it relates to the individual, society, and the elementary school classroom. The process of science is examined, as well as the connection between science as it is done and science in textbooks. This course is designed for students seeking licensure as elementary teachers (grades K-6). Prerequisite or corequisite: SCI 110 or instructor permission.

SCI 120. Living Planet (with laboratory). (4 Credits)

An introduction to human biology, chemistry and biochemistry. Topics explored include anatomy, physiology, nutrition, cell biology, genetics, inorganic chemistry, biochemistry, development, and the application of biological and biochemical principles to understanding disease. This course is designed for students seeking licensure as elementary teachers (grades K-6). Additional course fee applies.

SCI 197. Special Topics. (1-6 Credits)

SCI 202. Scientific Writing. (3 Credits)

An introduction to the effective oral, written, and graphical communication in the sciences. Students address these skills by exploring current issues in science. Prerequisites: ENG 102 and minimum sophomore standing with a major in anthropology, biology, or chemistry. Or instructor permission.

SCI 210. Dynamic Planet (with laboratory). (4 Credits)

A foundation in physics, earth science, and space science. Topics explored include motion, force, energy, weather, plate tectonics, earthquakes, volcanoes, and the solar system. This course is designed for students seeking licensure as elementary teachers (grades K-6). Additional course fee applies. Prerequisite: SCI 110 or SCI 120 and completion of the general education essential skills mathematics requirement. Or instructor permission.

SCI 292. Independent Study. (1-6 Credits)

SCI 297. Special Topics. (1-6 Credits)

SCI 299. Internship. (1-6 Credits)

SCI 390. Science Teaching Practicum. (1-2 Credits)

An opportunity for students in the sciences to participate in laboratory design, instruction and execution, and in field experiences. Specifically designed for recipients of awards, such as undergraduate assistantships and teaching assistantships, or for students pursuing degrees in science with an education emphasis. May be taken for a maximum of six credits. Graded satisfactory/Unsatisfactory only.

SCI 392. Independent Study. (1-6 Credits)

SCI 397. Special Topics. (1-6 Credits)

SCI 399. Internship. (1-6 Credits)

SCI 492. Independent Study. (1-6 Credits)

SCI 497. Special Topics. (1-6 Credits)

SCI 499. Internship in Science. (1-5 Credits)

An opportunity for students to gain experience through direct involvement with professionals in various fields of science.