

SCIENCE FOR EDUCATORS (SCI)

SCI 100 - Science through Inquiry I: (Biology, Physics) (4.0 hours)

Core Curriculum: WI,NS

Interdisciplinary, inquiry-based course exploring the science of motion. Integrates content in biology and physics. The course provides investigative science experiences, appropriate for education and other majors requiring a laboratory science course.
Prerequisite: 12 hours college credit.

SCI 101 - Science through Inquiry I: Special Topics (4.0 hours)

Core Curriculum: WI,NS

Interdisciplinary, inquiry-based course exploring the science of various themes. Integrates content in a life science and a physical science. The course provides investigative science experiences, appropriate for education and other majors requiring a laboratory science course. The course may be repeated once under a different topic for a maximum of eight credit hours.
Prerequisite: 12 hours college credit.

SCI 102 - Science through Inquiry I: Molecules (Biology and Chemistry) (4.0 hours)

Core Curriculum: WI,NS

Interdisciplinary, inquiry-based course exploring the science of molecules. Integrates content in biology and chemistry. The course provides investigative science experiences, appropriate for education and other majors requiring a laboratory science course.
Prerequisite: 12 hours college credit.

SCI 103 - Science through Inquiry I: Energy (Biology, Physics) (4.0 hours)

Core Curriculum: WI,NS

Interdisciplinary, inquiry-based course exploring the science of energy. Integrates content in biology and physics. The course provides investigative science experiences, appropriate for education and other majors requiring a laboratory science course.
Prerequisite: 12 hours college credit.

SCI 104 - Science through Inquiry I: Water (Biology, Chemistry) (4.0 hours)

Core Curriculum: WI,NS

Interdisciplinary, inquiry-based course exploring the science of water. Integrates content in biology and chemistry. The course provides investigative science experiences, appropriate for education and other majors requiring a laboratory science course.
Prerequisite: 12 hours college credit.

SCI 185 - Directed Research in STEM Fields for Novice Researchers (0.0-3.0 hours)

Provides participants with a knowledge of important issues in STEM research, and an opportunity to develop/refine skills necessary to pursue scholarship in a STEM discipline: accessing and reading scientific literature, question formulation and scientific research, and the presentation of research results.

Corequisite: Participation in summer research program

SCI 280 - Directed Readings in Science for Non-majors (0.5-3.0 hours)

Provide students with an opportunity to develop/refine skills necessary to read scientific literature: accessing and reading scientific literature, developing knowledge of research questions in a single focused field, developing qualitative skills necessary to evaluate research and classify materials based on novelty, quality, and utility.

Prerequisite: Three hours of college-level science

SCI 300 - Science through Inquiry II: Evolution (Biology, Earth Science) (4.0 hours)

Core Curriculum: WI,NS

Interdisciplinary, inquiry-based course exploring the science of evolution. Integrates content in biology and earth science. The course provides investigative science experiences, appropriate for education and other majors requiring a laboratory science course.
Prerequisite: C or better in a course from the SCI 100 series, or consent of instructor.

SCI 301 - Science through Inquiry II: Environmental Science (Biology, Chemistry) (4.0 hours)

Interdisciplinary, inquiry-based course exploring the science of environmental science. Integrates content in biology and chemistry.

The course provides investigative science experiences, appropriate for education and other majors requiring a laboratory science course.
Prerequisite: C or better in a course from the SCI 100 series, or consent of instructor.

SCI 302 - Science through Inquiry II: Ecosystems (Biology, Earth Science) (4.0 hours)

Core Curriculum: WI,NS

Interdisciplinary, inquiry-based course exploring the science of ecosystems. Integrates content in biology and earth science. The course provides investigative science experiences, appropriate for education and other majors requiring a laboratory science course.
Prerequisite: C or better in a course from the SCI 100 series, or consent of instructor.