Non-Disciplinary Science

Non-Disciplinary Science (SCI) Courses

SCI 100: Physical Science for the Liberal Arts

An introduction to the physical sciences, including physics, chemistry, astronomy, and earth science. Students will examine how that knowledge is discovered and how they can use it to understand the natural world. Course consists of both lecture and laboratory components. Cannot be counted toward Biology, Chemistry, or Physics majors or minors.
Credits 4

SCI 101: Introduction to Model Rocketry

Model rocketry uses the same principles of physics and engineering as full-scale rocketry to propel a vehicle from Earth's surface and recover it safely. Students will design, build and fly at least three basic model rockets during the course. Some meetings outside of the normal class time may be required for launches.
Credits 1
Prerequisites
MTH 101 recommended

SCI 182: Special Topics in Science

Study in a specific area of science not covered by regularly listed courses. Course content and structure will vary according to the interests of the instructor. Lecture, laboratory and/or field work may be included. Prerequisite: permission of the instructor.
Credits 1
-4
Prerequisites
Variable

SCI 201: Intermediate Model Rocketry

Model rocketry uses the same principles of physics and engineering as full-scale rocketry to propel a vehicle from Earth's surface and recover it safely. Building upon skills learned in Introduction to Model Rockets, students will design, build and launch at least three model rockets: payloader, two-stage, and mid-power. Some meetings outside of the normal class time may be required for launches.
Credits 1
Prerequisites
SCI 101

SCI 270: Science Practicum

Credits 1
-3

SCI 282: Special Topics in Science

Study in a specific area of science not covered by regularly listed courses. Course content and structure will vary according to the interests of the instructor. Lecture, laboratory, and/or field work may be included. Prerequisite: permission of the instructor.

Credits 1

-4

Prerequisites

Variable

SCI 360: Methods in Teaching Science

A course designed for prospective secondary science teachers that emphasizes hands-on experimentation in teaching science process skills, techniques, and data collection and analysis.

Credits 1

-3

SCI 382: Special Topics in Science

Study in a specific area of science not covered by regularly listed courses. Course content and structure will vary according to the interests of the instructor. Lecture, laboratory and/or field work may be included. Prerequisite: permission of the instructor.

Credits 1

-4

Prerequisites

Variable