

# Interdisciplinary Science (ISCI)

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session and to determine the term of offering, consult the class schedule at [central.carleton.ca](http://central.carleton.ca)

## Interdisciplinary Science (ISCI) Courses

### Institute of Environ Science

#### Faculty of Science

#### ISCI 1001 [0.5 credit]

##### Introduction to the Environment

The nature of the biosphere: scientific bases of important environmental issues; evolution of life; properties and dynamics of populations and ecosystems; biodiversity; introduction to identification skills; sustainability of renewable resources, including food. Not acceptable for credit in a Science program.

Precludes additional credit for ISCI 1000.

Prerequisite(s): a knowledge of Grade 10 advanced level Mathematics will be assumed.

Lectures/demonstrations three hours a week and project assignments.

#### ISCI 2000 [0.5 credit]

##### Natural Laws

Fundamental concepts and their environmental application for the non-science student: properties of atoms and molecules, chemical reactions, nuclear processes, mechanics, thermodynamics, electricity and magnetism; applications to energy production and consumption.

Not acceptable for credit in a Science program.

Precludes additional credit for ISCI 1002 (no longer offered).

Prerequisite(s): ISCI 1001 or permission of the Institute of Environmental Science.

Lecture/demonstrations three hours a week, a one-hour tutorial a week, and project assignments.

#### ISCI 2002 [0.5 credit]

##### Human Impacts on the Environment

Air and water pollution; global climatic change; waste management; industrial chemicals; sources and uses of energy; nuclear energy and radiation; risk assessment of technological hazards. Acceptable only as a free elective in a Science program.

Prerequisite(s): ISCI 2000 or ISCI 1002 or two experimental science grade 12 U/M courses or one first year university experimental science credit.

Lectures/demonstrations three hours a week and project assignments.

**Summer session:** some of the courses listed in this Calendar are offered during the summer. Hours and scheduling for summer session courses will differ significantly from those reported in the fall/winter Calendar. To determine the scheduling and hours for summer session classes, consult the class schedule at [central.carleton.ca](http://central.carleton.ca)

Not all courses listed are offered in a given year. For an up-to-date statement of course offerings for the current