

ENVIRONMENTAL SCIENCE

The Environmental Science program at Grenfell Campus focuses on applying natural sciences to better understand the environment.

The natural world with its complexity and beauty offers many opportunities to learn. The environment also provides energy, nourishment, employment, and recreation – to use it wisely, we need to understand it.

Grenfell's environmental science program is a four-year interdisciplinary degree with general or honours options. Program courses explore a science-based focus on the environment that extends from chemical reactions to ecosystem functions in response to human modification of the world around us.

Why study environmental science at Grenfell?

It's personal - Our small class sizes mean that you get to know your instructors well, and they get to know you.

It's hands-on - Small classes also mean that you have lots of chances to apply what you're learning in practical labs.

It offers real-world experience - There are more opportunities at a small campus like Grenfell to participate in faculty research projects. Your professors will encourage you to get involved in their research – everything from the breakdown of pesticides in the environment to the impact of the forest industry on songbird populations.

It's local - Our location on the west coast of Newfoundland offers unique opportunities and real life experiences in various natural habitats, including wetlands, boreal forests, the ocean, river systems, and sub-arctic tundra, among others.

Courses and Program Requirements

The Bachelor of Science (Environmental Science) is offered only at the Grenfell Campus. Students enrolled in this degree program are required to complete 120 credit-hours, usually over a four-year course of study. The degree offers two streams, biology and chemistry, and can be completed as either a general degree or an honours degree.

The program offers a combination of lectures, laboratory work and field courses in a package of required courses and environmental focus areas.

All ENVS majors take the same suite of introductory courses that cover key disciplinary knowledge in biology, chemistry, earth sciences, mathematics, and physics, and a set of upper year courses that cover core environmental science concepts.

Chemistry stream students take specialized courses in analytical chemistry, industrial and atmospheric chemistry, as well as aquatic chemistry.

Biology stream students take specialized courses in taxonomy, terrestrial and freshwater ecology, as well as statistical and field methods.

As an interdisciplinary degree, no minor is required; the degree includes a choice of environment-focused courses from Philosophy, Political Science, and Religious Studies, as well as upper year courses that include environmental assessment, soil systems, GIS, hydrology, and many more.

<https://www.mun.ca/university-calendar/grenfell-campus/grenfell-campus/7/5/#7.5.3>

Career opportunities

Graduates of the environmental science program can enter many different fields, including government, consulting, education, and environmental agencies/organizations, or continue on to graduate studies.

Contact

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