

FACULTY OF SCIENCE

# ENVIRONMENTAL SCIENCES (BSc)

The Department of Environmental Studies and Sciences provides interdisciplinary programs that have a holistic view of the environment. Following the general principles of sustainability, the courses provide an integrated approach to understanding the environment, examining human impact, and providing a framework to develop solutions to environmental problems.

Students the BSc program choose from four different streams:

**Forest Ecology** - study of forest

## MORE SAMPLE COURSES

- |   |                                |   |                                 |
|---|--------------------------------|---|---------------------------------|
| x | Forest Wildlife Management     | x | Environmental Toxicology        |
| x | Law and the Environment        | x | Principles of Ecology           |
| x | Forest Ecosystems Field Course | x | Environmental Impact Assessment |

## SAMPLE FIRST YEAR

ENV-1600(3) Human-Environmental Interactions  
BIOL-1115(3) Cells and Cellular Processes  
BIOL-1116(3) Evolution, Ecology, and Biodiversity  
CHEM-1111(3) Introduction to the Chemical Properties of Matter  
CHEM-1112(3) Basic Principles of Chemical Reactivity  
ECON-1104(3) Introduction to Economic Theory  
GEOG-1205(3) Our Dynamic World: An Introduction to Physical Geography  
GEOG-2309(3) Statistical Techniques in Environmental Analysis  
RHET-1103(3) Academic Writing: Science or any other section of Academic Writing (**The Department recommends that students take RHET-1103 in their first year of studies.**)  
PHIL-2233(3) Environmental Ethics (counts both as a Humanities course and a core course)

**NOTE:** This sample first year is representative of the courses you may take. For many of our programs, you may choose another set of courses and still be well on your way to a degree. Also, for most programs you do not have to take 30 credit hours (five full courses) in your first year.

**NATIONAL ACCREDITATION:** BSc degrees in Environmental Science at UWinnipeg have been accredited by the Canadian Environmental Accreditation Commission (CEAC) and Environmental Careers Organization (ECO) Canada, demonstrating our national standard of quality. Both forestry-related streams have also been accredited by the prestigious Canadian Institute of Forestry (CIF).

***“My experience with the Forest Ecology program was wonderful. It’s small enough that professors and students can get to know each other well, yet it also offers a lot of opportunities for students to find out what interests them and to pursue those interests. I was able to take field courses, work for two summers as a research assistant, and even participate in academic conferences.”***

- Katherine Dearborn (BSc-4yr),  
winner of the Chancellor’s Gold Medal for Highest Standing in Science (4-Yr)  
and the medal for achievement in a 4-Yr major

## REQUIRED HIGH SCHOOL COURSES

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