Faculty of Science

ECOLOGY

Bachelor of Science (BSc)

Ecology examines the relationship living organisms have with their environment. During the course of your studies, much of your learning will occur while actively working on problems in class, during tutorials, and in the laboratory. You’ll also complete a two-term research project under the guidance of a faculty member, and gain hands-on experience conducting research at a field school held off our main campus.

Did You Know?

The Ecology Co-operative Education program is a five-year degree program, which includes 12-16 months of supervised work experience in various companies and government agencies.

Awards

- HARRY FORD CHRITCHLEY BURSARY - UP TO $5,500
- CHANCELLOR’S CLUB SCHOLARSHIP - UP TO $10,000 (RENEWABLE)

Job Titles

- ECOLOGIST
- ENVIRONMENTAL SCIENTIST
- WILDLIFE TECHNICIAN

Student Clubs

- ENVIRONMENTAL SCIENCE STUDENTS’ ASSOCIATION
- WOMEN IN SCIENCE AND ENGINEERING

Fred Wrona

BSc’77, PhD’82

Dr. Wrona is the Director of Aquatic Ecosystems Impacts Research with Environment Canada. He’s also a geography professor at the University of Victoria, and member of the Intergovernmental Panel on Climate Change that shared in the 2007 Nobel Peace Prize with Al Gore.

View Program Requirements

1. Visit ucalgary.ca/future-students/undergraduate/explore-programs
2. Select your program
3. Select your type of admission (high school or transfer)
4. Choose the location of your high school

Sample First-Year Courses

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<th>FALL</th>
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<tr>
<td>Energy Flow in Biological Systems (BIOL 241)</td>
<td>DNA, Inheritance and Evolution (BIOL 243)</td>
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<td>Chemistry (CHEM 201, 203 or 211)</td>
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<tr>
<td>Calculus (MATH 249, 265 or 275)</td>
<td>Linear Methods I (MATH 211) or Honours Linear Algebra I (MATH 213) or Calculus II (MATH 267 or 277)</td>
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<tr>
<td>Choose one of: Computer Science (CPSC 217,231 or 235) or Principles of Geoscience (GLGY 201) or Mechanics (PHYS 211 or 221)</td>
<td>Continuation of introductory course in: Computer Science (CPSC 219, 233 or 235) or Geology (GLGY 202) or Physics (PHYS 223)</td>
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<tr>
<td>Non-science option</td>
<td>Non-science option</td>
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