What to do with a degree in **ECOLOGY**

Ecology seeks to explain how organisms respond to all aspects of their environment, including physical and chemical conditions and other individuals of the same or different species.

**Key Skills & Knowledge**

**Analytical and critical thinking** - Design experiments; Develop theories; Synthesize complex information; Creative thinking; Problem solving skills; Decision making skills

**Research** - Analyze and evaluate information; Interpretation of trends from results; Gather and access data

**Interpersonal** - Working in a team; Oversee, supervise and contribute to a project

**Technical** - Perform laboratory procedures; Dissect preserved or euthanized specimens; Observe and make measurements on organisms; Administration of biological tests; Collect and preserve field organisms

**Oral and written communication skills** – Presenting and communicating technical and scientific data and ideas clearly and articulately to both the scientific and non-scientific communities using current technology; Scientific and technical writing; Memorize large amounts of information

**Sample Job Titles**

<table>
<thead>
<tr>
<th>Aquatic Biologist</th>
<th>Fertilizer Evaluation Officer</th>
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<tbody>
<tr>
<td>Biology Laboratory Technician</td>
<td>Habitat Conservation &amp; Restoration Consultant</td>
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<tr>
<td>Conservation Ecologist</td>
<td>Laboratory Technician</td>
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<tr>
<td>Ecologist</td>
<td>Nature Interpreter</td>
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<tr>
<td>Ecotoxicologist</td>
<td>Park Planner</td>
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<tr>
<td>Environmental Assessment Officer</td>
<td>Research Ecologist</td>
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<tr>
<td>Environmental Impact Assessment Officer</td>
<td>Research Technician</td>
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<tr>
<td>Environmental Officer</td>
<td>Scientific Writer/Editor</td>
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<tr>
<td>Environmental Planner</td>
<td>Wildlife Manager</td>
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<tr>
<td>Environmental Protection Agent</td>
<td>Wildlife Program Co-ordinator</td>
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<tr>
<td>Environmental Consultant</td>
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Some of these roles may require further training, certification or education. Check out the Alberta Government’s occupational profiles for salary info and more detail: [alis.alberta.ca/occinfo](alis.alberta.ca/occinfo)

**Need help deciding what to do?**

Formal Career Assessments like the Strong Interest Inventory and the Myers Briggs Type Indicator can be helpful tools for your career development. **Request an assessment via CareerLink**
Associations provide an opportunity for continued professional development. Many also offer networking opportunities and other events for their members.

- Alberta Women’s Science Network (AWSN): [awsn.org](http://awsn.org)
- Association of Science and Engineering Technology Professionals of Alberta: [aset.ab.ca](http://aset.ab.ca)
- Canadian Association of Science Centers: [canadiansciencecentres.ca](http://canadiansciencecentres.ca)
- Canadian Ecology Centre: [canadianecology.ca](http://canadianecology.ca)
- Canadian Environmental Law Association: [cela.ca](http://cela.ca)
- Canadian Medical Association: [cma.ca](http://cma.ca)
- Canadian Society for Ecology and Evolution: [csee-scee.ca](http://csee-scee.ca)
- Entomological Society of Canada: [esc-sec.org](http://esc-sec.org)
- Pharmacological Society of Canada: [pharmacologycanada.org](http://pharmacologycanada.org)
- Society for Canadian Women in Science & Technology: [www.scwist.ca](http://www.scwist.ca)
- The Canadian Geotechnical Society: [cgs.ca](http://cgs.ca)

**Potential Industries**

Agricultural
Biotechnology
Conservation
Education
Environment & Pollution Control
Food & Beverage Manufacturers
Government Hospitals& Medical Centres
Magazines & Newspapers
Medicine & Health Organizations
Museums
Post-Secondary
Pharmaceutical Companies
Publishing Companies
Research Institutions
Testing Laboratories
Zoos, Aquariums, National or Provincial Parks

**Career Services**

**YOUR FUTURE STARTS HERE**

- Career Planning
- Job Search Support
- Resume Reviews
- Career Workshops
- Online Job Postings
- Career Fairs
- Networking Events
- Information Sessions & much more!

**Connect with us:**

MacEwan Student Centre, Room 188
T: 403.220.8020
E: csstdnt@ucalgary.ca

CareerLink: [ucalgary.ca/careers](http://ucalgary.ca/careers)

- [Facebook](http://facebook.com)
- [Twitter](http://twitter.com)

**Job Boards**

Indeed: [https://ca.indeed.com/](https://ca.indeed.com/)
Science Careers: [jobs.sciencecareers.org/](http://jobs.sciencecareers.org/)
Eco Canada: [eco.ca](http://eco.ca)
LinkedIn: [www.linkedin.com](http://www.linkedin.com)
CareerLink: [careerlink.ucalgary.ca](http://careerlink.ucalgary.ca)

**Additional Resources**

Careers for Nature Lovers & Other Outdoor Types, Louise Miller
Great Jobs for Environmental Studies Majors, Julie DeGalan
Opportunities in Environmental Careers, Odom Fanning

**Faculty Contact**

Biological Sciences 186
T: 403.220.5261
E: biosci@ucalgary.ca
W: [bio.ucalgary.ca/undergraduate/programs](http://bio.ucalgary.ca/undergraduate/programs)
W: [ucalgary.ca/admissions/programs](http://ucalgary.ca/admissions/programs)

**Student Clubs**

Biology’s Student Association
[orgsync.com/52402/chapter](http://orgsync.com/52402/chapter)

**Aligned Majors:**

Biological Sciences, Environmental Science, Natural Sciences