



**BACHELOR IN
ENVIRONMENTAL
PRACTICE**

**PROGRAM
OVERVIEW**



TABLE OF CONTENTS

ABOUT BACHELOR IN ENVIRONMENTAL PRACTICE	4
PROGRAM OUTCOMES	5
WHY CHOOSE ROYAL ROADS UNIVERSITY?	6
STUDENT PROFILE	7
EMPLOYMENT OUTCOMES FOR GRADUATES	8
ARTS-BASED VS. SCIENCE-BASED DEGREES	9
ENVIRONMENTAL JOBS SPECIALIZATIONS	10

CORE LABOUR FORCE IN COMBINED SPECIALIZATIONS	11
TYPES OF OCCUPATIONS FOR PROFESSIONALS	13
SKILLS IN DEMAND	14
BA/BSc: WHO IT'S FOR	15
PROGRAM DELIVERY	16
PROGRAM CURRICULUM	17
TUITION FEES & FINANCIAL AID	18
IMPORTANT DATES	19
ADMISSIONS	20
CONTACT US	21
ABOUT ECO CANADA	22
CANADIAN CENTRE FOR ENVIRONMENTAL EDUCATION	23

ABOUT THE BACHELOR IN ENVIRONMENTAL PRACTICE

The Bachelor in Environmental Practice at Royal Roads University goes beyond the basics to build the skills, knowledge and next-level insight that you need for a successful environmental career.

The program offers two streams for you to choose from: Bachelor of Arts (BA) and Bachelor of Science (BSc.) in Environmental Practice. Each stream is uniquely designed to complement your academic background, career goals and interests.

The program is available online, giving you the flexibility to further your education without sacrificing time away from career and family. The program is customizable, and you can pick and choose from a wide variety of courses to tailor the learning that matches your areas of interest. Due to the online nature of the program, courses are taught by instructors from across Canada, thus accessing a diverse group of scholar practitioners.

With this degree, you acquire more than a practical, workplace-ready environmental skillset grounded in critical thinking and theory – this program is the only undergraduate degree in Canada delivered in partnership with [ECO Canada](#).





The Bachelor in Environmental Practice at Royal Roads University is a 60-credit program. Whether you choose the BA or BSc stream, you will be required to complete up to 10 required **core courses** and select up to 9 **electives** from various institutions. To demonstrate your learning and understanding of the topics covered in this program, you will complete either a 75-hour practicum or major research paper, both of which are developed with the guidance of your instructor and involve regular progress check-ins. Your practicum begins with a project proposal, developed between you, your workplace supervisor and your instructor.

PROGRAM OUTCOMES

Graduates of the BA/BSc in Environmental Practice will be able to:

- Relate their knowledge to environmental issues in their work environment
- Assess the environmental and socio-economic elements of sustaining a healthy environment and societal well-being as an environmental practitioner
- Develop and evaluate goals, objectives and strategies, taking a range of perspectives into consideration
- Prepare, communicate and implement action plans
- Make decisions that require a broad understanding of environmental knowledge, policy and regulation, and leadership skills
- Solve problems effectively in differing workplace situations
- Act as a leader who can meet the fundamental challenges of addressing complex environmental issues
- Possess the skills and knowledge to coordinate and integrate different perspectives to aid public and private bodies in making informed decisions
- Possess a broad environmental vision and a sound understanding of how environmental issues are addressed under different jurisdictions and the dynamics of both public and private sectors

WHY CHOOSE ROYAL ROADS UNIVERSITY?

Royal Roads University will give you the tools, training and connections to help you succeed in your degree program and prepare you for the career of your dreams.

RANKED # 1

Royal Roads University has ranked as the #1 public University in Canada for Active and Collaborative Learning (NSSE 2013) and the #1 public University in Canada for Level of Academic Challenge (NSSE 2013).

NEW WORLD, NEW MODEL

At Royal Roads University, it's not just one thing that makes us different. It's the powerful combination of how we do things differently. It starts with our flexible admission. It runs through our unparalleled educational environment, on campus and online. It shines in our **unique learning model**. All of this is what defines the RRU experience. And sets us apart.

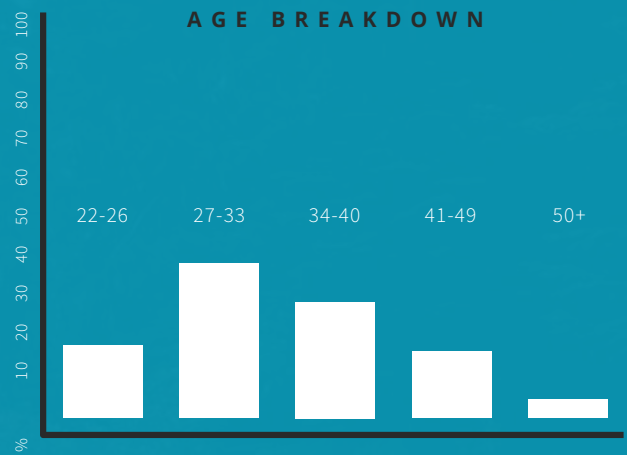
A CHANGE-YOUR-LIFE EXPERIENCE

The Royal Roads University educational approach isn't just about deep knowledge subject matter, but an even deeper knowledge of self. A Royal Roads education not only provides graduates with practical skills to propel their careers, it also enables personal transformations to help create better people, not just better professionals.



ROYAL ROADS UNIVERSITY STUDENT PROFILE:

The Bachelor in Environmental Practice program attracts students from all age groups and demographics.



EMPLOYMENT OUTCOMES FOR ENVIRONMENTAL GRADUATES

THE FUTURE OF THE ENVIRONMENTAL SECTOR IN CANADA

With nearly a quarter of the current workforce expected to retire in the next decade and an increase in the demand for jobs in industries that require environmentally-related roles, now is the time to obtain your degree in this field of study and pursue your goal of working in the environmental sector.



NEARLY 1 IN 4 WORKERS ARE EXPECTED TO RETIRE IN THE NEXT 10 YEARS

100,000

ADDITIONAL WORKERS WILL BE NEEDED TO FILL THE GAP BY 2024

12%

INCREASE IN JOB POSTINGS FOR ARTS-BASED ENVIRONMENTAL JOBS

1/5

OF EMPLOYERS EXPRESSED DIFFICULTY HIRING FOR:

- SCIENCE (ENVIRONMENTAL TECHNICIANS)
- ENVIRONMENTAL CONSULTING
- MANAGEMENT (SR. LEVEL PROJECT MANAGERS)
- COMMUNICATIONS (CAMPAIGNERS, INDIGENOUS LIAISONS)
- RESEARCH (CLEAN ENERGY, ENVIRONMENTAL MONITORING)

ARTS - BASED DEGREES & THE ENVIRONMENT

There has been an increase in the need for arts-based environmental roles in areas of specialization including:

- Communications & Awareness
- Education & Training
- Research & Development
- Policy & Legislation

SCIENCE - BASED DEGREES & THE ENVIRONMENT

Traditional environmental roles requires a background in technical and scientific knowledge. Some key areas of specialization include:

- Site Assessment & Reclamation
- Hazardous Waste Management
- Environmental Research & Analysis



KEY DRIVERS FOR EMPLOYMENT

Understanding industry trends and challenges can help you to determine your future career path.

Whether you choose the Bachelor of Arts or Bachelor of Science stream, the skills you gain through each program can shape the type of role you will play once you join the workforce.

IN - DEMAND AREAS

- 1 Growing public awareness and interest is creating a demand for environmental education
- 2 Development of legislation, regulation and policies to address climate change, renewable energy and other issues

ENVIRONMENTAL JOB SPECIALIZATIONS

14 specializations make up the Environmental Sector:

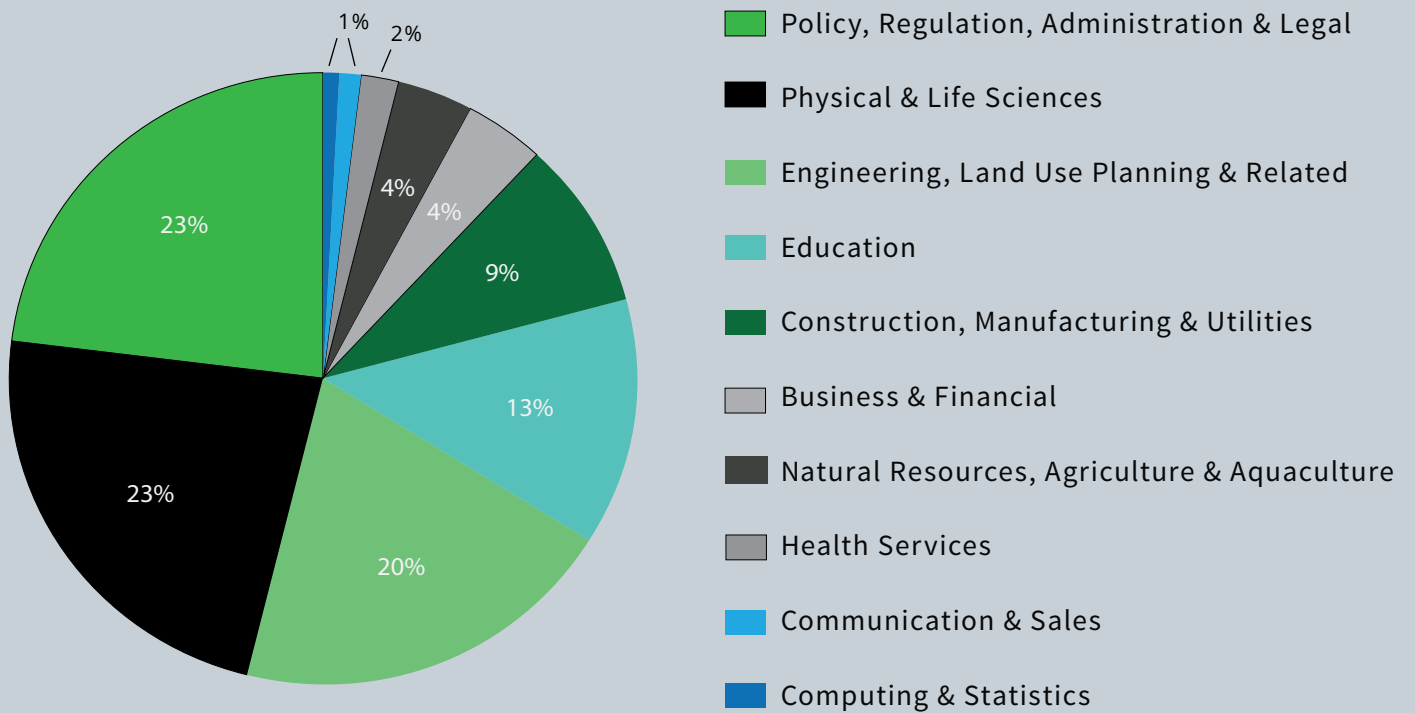
1. AIR QUALITY
2. WATER QUALITY
3. SITE ASSESSMENT & RECLAMATION
4. WASTE MANAGEMENT
5. HEALTH & SAFETY
6. ENERGY
7. FISHERIES & WILDLIFE
8. NATURAL RESOURCE MANAGEMENT
9. SUSTAINABILITY
10. EDUCATION & TRAINING
11. RESEARCH & DEVELOPMENT
12. POLICY & LEGISLATION
13. COMMUNICATIONS & PUBLIC AWARENESS
14. ENVIRONMENTAL MANAGER



CORE LABOUR FORCE IN COMBINED SPECIALIZATIONS

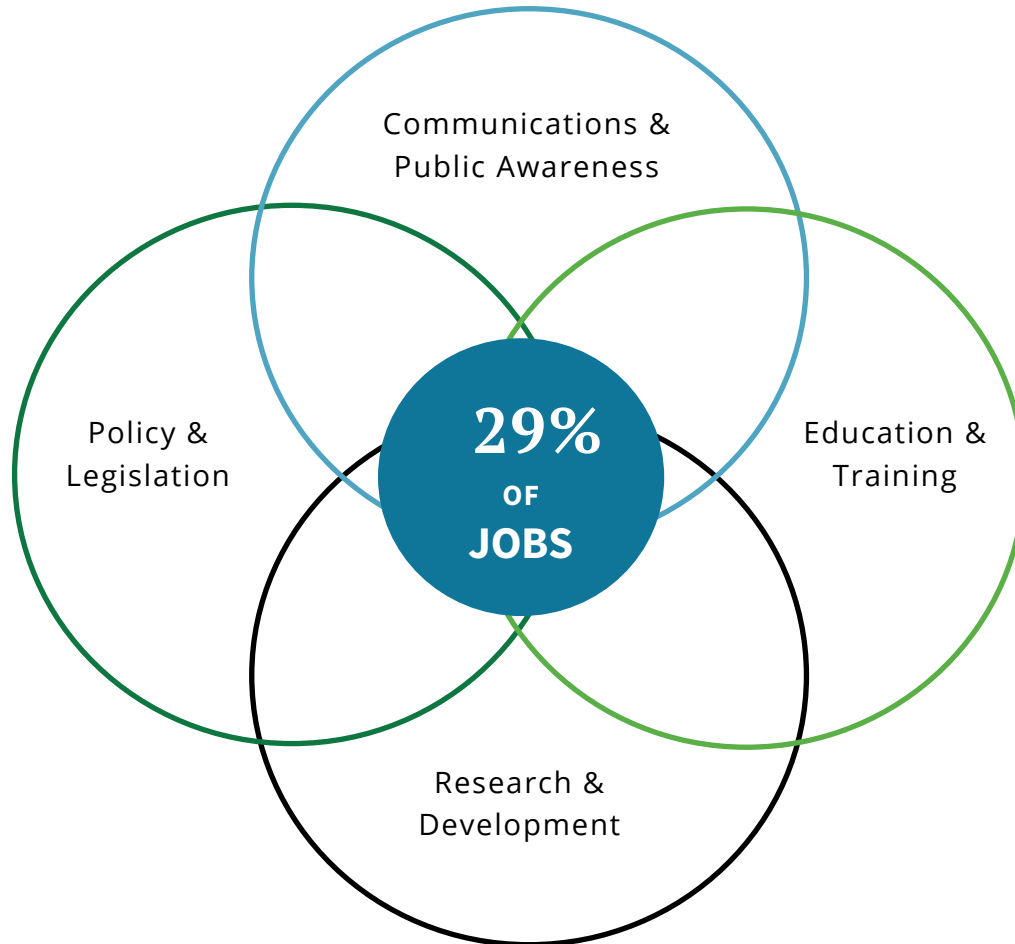
57,000+

CORE ENVIRONMENTAL WORKERS SPECIALIZE IN AT LEAST ONE OF THE FOLLOWING 10 AREAS:



Source: ECO Canada Environmental Employment Outlook

Those with an arts-based background make up at least 29% of occupations.



STEP UP IN YOUR CAREER

The current employment trends will leave a gap that emerging professionals will have the opportunity to fill and to step into these high-demand roles.

Becoming a part of the environmental workforce takes the right education, training and skills to succeed. The Bachelor in Environmental Practice was designed to meet the challenges facing employers in Canada and beyond, and to give graduates the knowledge and insights required to begin a career in Canada's burgeoning environmental sector and related industries.

TYPES OF OCCUPATIONS FOR PROFESSIONALS

COMMUNICATIONS AND PUBLIC AWARENESS

Environmental Planner	Communications Manager
Plant Manager	Economist
Process Engineer	Business Analyst

POLICY AND LEGISLATION

Policy Analyst	Compliance Specialist
District Planner	Regulatory Specialist
Environmental Specialist	Lawyer

RESEARCH AND DEVELOPMENT

Quality Control Specialist	Environmental Scientist
Research Technician	Clean Energy Researcher
Environmental Engineer	Fisheries Biologist

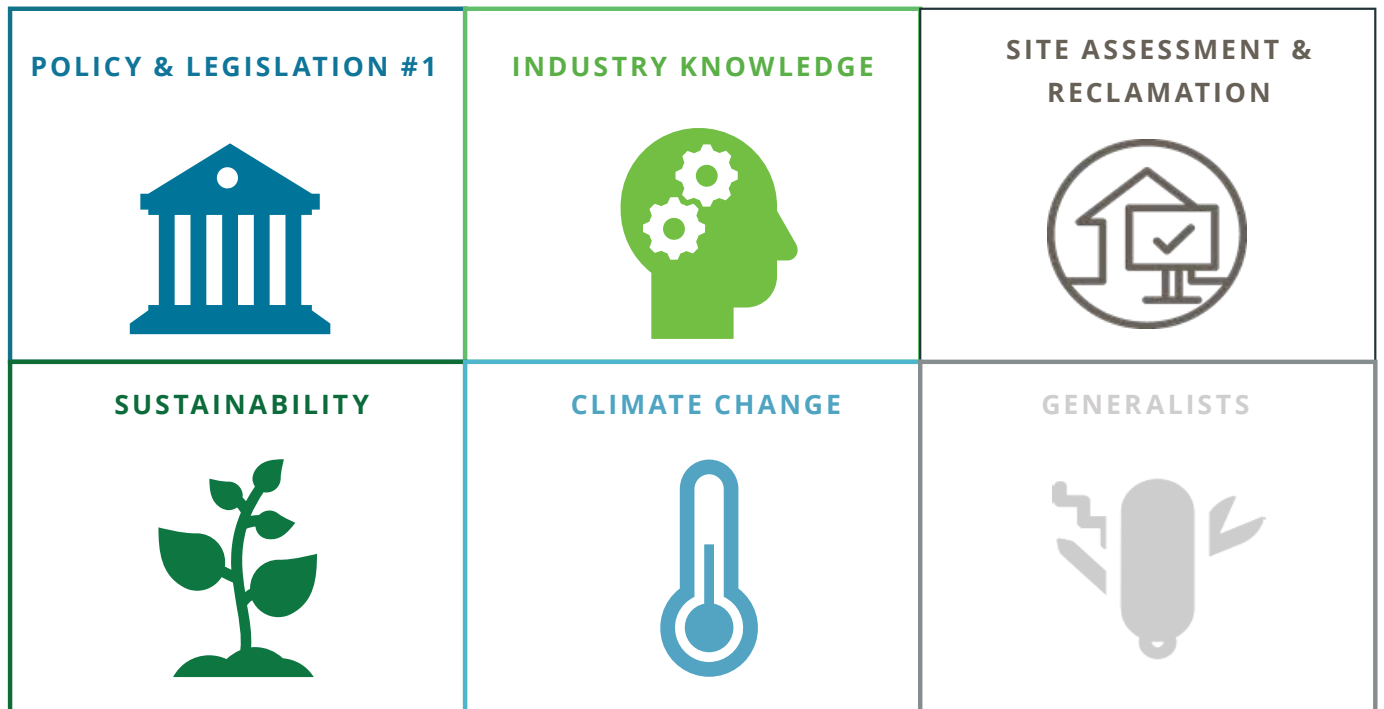
EDUCATION AND TRAINING

Professor	Indigenous Liaison
Interpreter	Park Manager
Field Support Specialist	Safety Officer

SOFT SKILLS IN DEMAND



TECHNICAL SKILLS IN DEMAND



BACHELOR OF ARTS

WHO IT'S FOR

The BA program is for those with:

- A belief in decision-making where sustainability is given due value
- An understanding that environmental problem-solving requires a holistic approach/resolution as processes are inherently complex
- A desire to make a difference and contribute to the greater good
- Big-picture thinking that can articulate and communicate ideas clearly
- Self-discipline (program is delivered entirely online)

Potential career interests: environmental policy, health, administration, governance, law or politics

These two streams are designed for individuals with a broad awareness of current and potential environmental issues; big-picture thinkers interested in developing their critical thinking ability and environmental knowledge. They are also designed for individuals who are process-driven, interested in environmental regulation, remediation, sustainable energy management and more.

BACHELOR OF SCIENCE

WHO IT'S FOR

The BSc program is for those with:

- A strong interest in scientific applications of technology
- A desire to effect sustainable change and improve/streamline processes via fact or logic
- A strong interest in conducting scientific research and analysis of environmental impact
- Self-discipline (program is delivered entirely online)

Potential career interests: environmental impact assessment, pollution prevention, hazardous waste management, climate change, biodiversity, technology or geomatics

PROGRAM DELIVERY

BACHELOR IN ENVIRONMENTAL PRACTICE

The Bachelor in Environmental Practice at Royal Roads University is delivered entirely online to meet your flexible education needs, and leverages partnerships with universities and colleges across Canada to provide a wide upper-level elective offering. This program is for self-motivated learners, is 60 credits in length and can be completed in as little as two and a half years, depending on your schedule and applicable transfer credit(s).

The workload is approximately 18-25 hours per week.



PROGRAM CURRICULUM

The Bachelor of Arts and Bachelor of Science streams require students to complete a maximum of 10 core courses and choose a maximum of 9 elective courses. Students may also choose electives from a variety of post-secondary institutions. [Learn more.](#)

- Statistical Literacy and Critical Thinking
- Introduction to Environmental Law
- Tools for Business Decision Making
- Sustainable Development: Ideas and Applications
- Communications Skills: Writing in the Workplace
- Global Processes
- Environmental Management Tools
- Environmental Economics
- Public Policy Formulation
- Leadership and Management for Environmental Practitioners
- Ethics and Environment

Students must complete at least 21 core credits before enrolling in electives. You may take one 3-credit course from the elective list in the opposite stream. Electives are taught at a variety of post-secondary institutions. Contact the program office at RRU, ses@royalroads.ca.

Elective requirements differ depending on your choice to complete either the 75-hour practicum or research paper:

- Students completing the practicum: nine electives (27 credits)
- Students completing the research paper: eight electives (24 credits)

PROGRAM CAPSTONE

To demonstrate your learning and understanding of the topics covered in this program, you will complete either a 75-hour practicum or research paper, both of which are developed with guidance from your instructor and involve regular progress check-ins. Your practicum begins with a project proposal, developed between you, your workplace supervisor and your instructor, and in addition to maintaining a journal to document your experience, you'll be required to schedule and plan all parts of your project. The research paper requires a literature review and appropriate research, progress reports and a draft for instructor approval prior to submitting your completed work.

TUITION FEES

Total tuition fees for Bachelor of Arts and Bachelors of Science in Environmental Practice are listed on the Royal Roads University website. [Click here to view the broken down cost.](#)

FINANCIAL AID

Financial planning is a crucial component of early educational planning. The Financial Aid & Awards team can provide information and support on a variety of funding sources and award opportunities. [A variety of loans, awards, bursaries and scholarships](#) are available to fund your studies.

LOANS

A variety of loan options are available to Royal Roads University students including Government Student Loans, Bank Loans, Student Line of Credit, \$5,000 Interest-Free Loans and Emergency loans. [Learn more.](#)



UPCOMING PROGRAM INTAKE DATES

Check the Royal Roads University website for the most up-to-date information:

- Bachelor of Arts in Environmental Practice [start dates and schedule](#)
- Bachelor of Science in Environmental Practice [start dates and schedule](#)



STANDARD ADMISSION REQUIREMENTS

BA IN ENVIRONMENTAL PRACTICE

- Minimum of 60 post-secondary arts or science credits, with a minimum grade 'B' (3.00/4.33 GPA), from a recognized post-secondary institution; or
- Previous completion of the Certificate in Environmental Practice (CEP) program at Royal Roads University, with a minimum grade 'B' (3.00/4.33 GPA)

BSc IN ENVIRONMENTAL PRACTICE

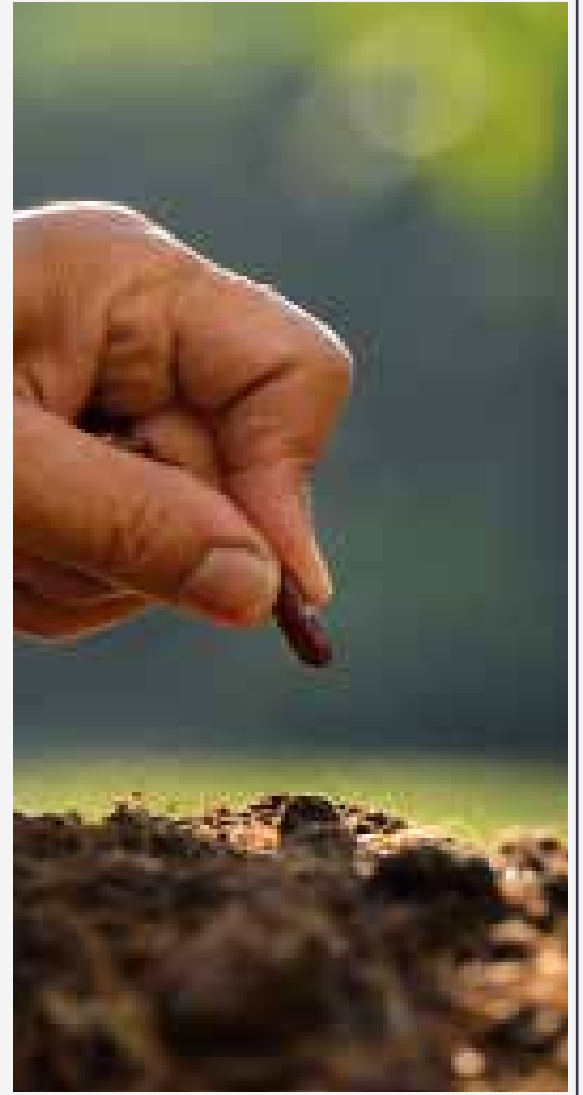
- Minimum of 60 post-secondary arts and/or science credits (18 must be science credits, nine of which must be at the second-year level), with a minimum grade 'B' (3.00/4.33 GPA), from a recognized post-secondary institution; or
- Previous completion of the Certificate in Environmental Practice (CEP) program (18 must be science credits, nine of which must be at the second-year level) at Royal Roads University, with a minimum grade 'B' (3.00/4.33 GPA).

FLEXIBLE ADMISSION

- Applicants who have the required 60 post-secondary credits, but who don't meet the minimum GPA requirement, should have at least 3 years of relevant work experience.

ENGLISH LANGUAGE PROFICIENCY

- If English is not your primary language, please review our [English Language Requirements](#).



READY TO START YOUR APPLICATION?

EMBARKING ON HIGHER STUDIES CAN BE BOTH EXHILARATING AND NERVE-WRACKING. GET IN TOUCH WITH ROYAL ROADS UNIVERSITY ADMISSIONS TEAM TO GUIDE YOU ON THE NEXT STEPS.

CONTACT US

If you have questions or would like help to better understand the programs or admission requirements, Royal Roads University is here to help:



Call Us — 1.877.778.6227



E-mail us — learn.more@royalroads.ca



Visit — royalroads.ca/environment



ABOUT ECO CANADA

For over 25 years, ECO Canada has led the creation of career development resources and training programs for environmental practitioners in Canada. We study the environmental labour market and examine ways to improve industry access and career advancement opportunities for new graduates as well as mid- to senior-level practitioners.





CANADIAN CENTRE FOR ENVIRONMENTAL EDUCATION

The Bachelor in Environmental Practice degrees are offered through the Canadian Centre for Environmental Education (CCEE).

ECO Canada and Royal Roads University are the founders of CCEE. It was created in accordance with the National Occupational Standards (NOS) for Environmental Employment. NOS refers to relevant competencies identified by industry experts as necessary for a particular occupation.

The CCEE's goal is to provide advanced education, training, and professional development tailored to the Canadian environment industry.



We want to hear from you.
Contact Royal Roads University to learn more.

1.877.778.6227

learn.more@royalroads.ca

royalroads.ca/environment