

ENVIRONMENTAL TECHNICIAN (EVTN)

Ontario College Diploma | 5 semesters | Barrydowne

Gain the technical skills and practical field experience to identify, measure, and record environmental variables within the air, water, soil and living organisms. This program prepares you to perform appropriate sampling, use state-of-the-art equipment, and assist in the remediation and long-term evaluation and monitoring of contaminated ecosystem components. You will also be prepared to work on a variety of projects related to climate change issues, water conservation, and water management and other sustainability concerns. Throughout the program, you will also build your knowledge of pertinent environmental regulations and policies.

Program Highlights

- 2 year – 5 semesters
- 6-week internship in semester 5
- Opportunity to earn National Green Check certification
- Prepares you to write the Operator-in-Training certification test for water treatment and distribution
- Analyze, interpret, and evaluate air, water, soil, and ecological field data
- Use case studies to understand provincial and federal legislation
- Develop your technical writing skills

Fieldwork/Placement

You will undertake an approved 6-week internship with a company or agency involved in environmental work or research.

Quick Links

How to Apply (<http://cambriancollege.ca/apply>)

Environmental Studies (<http://cambriancollege.ca/field-of-study/environmental-studies>)

Admission Requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

- any grade 12 English (C), (U), or (M)
- any grade 11 mathematics (C), (U), or (M)

Recommended

- any grade 11 or 12 chemistry or biology (C), (U), or (M)

APPLY NOW! (<http://ontariocolleges.ca/apply>)

Program Delivery

2019-2020

This program will be delivered in the following terms:

Fall Term Start

1. **SEMESTER 1** Fall 2019
2. **SEMESTER 2** Winter 2020
3. **SEMESTER 3** Fall 2020

4. **SEMESTER 4** Winter 2021

5. **SEMESTER 5** Spring 2021

For specific term start/end dates and other key dates/deadlines, please see the Academic Schedule (<http://cambriancollege.ca/apply/how-to-apply/academic-schedule>) on our website.

Program of Study

Students are required to successfully complete an online Lab Safety course (in Moodle) when starting their program at Cambrian. This course must be completed prior to entering the labs (as identified in the table below) in the Schools of Skills Training, Engineering Technology and Environmental Studies.

Semester 1		Credits
ENV 1007	Biodiversity Fundamentals	3
ENV 1009	Air Properties and Monitoring	3
ECO 1000	Principles of Ecology	3
ENV 1008	Water Properties and Monitoring	3
CHM 1005	Chemistry Fundamentals ¹	3
ENV 1011	Soil Science	3
ENG 1002	College Communications	3
Credits		21

Semester 2		Credits
CMP 1011	Computer Applications	3
ECO 1001	Ecosystem Restoration	3
ENV 1012	Outdoor Equipment and Survival	3
ENV 1015	Environmental Microbiology & Toxicology	3
MTH 1003	Math I	3
TEC 1000	Technical Reporting	2
The following General Education Course:		3
SOC 1007	Introduction to Indigenous Studies	
Credits		20

Semester 3		Credits
CAD 1100	Computer-Aided Drafting I	2
CHM 1012	Environmental Chemistry	3
ECO 1002	Solid Waste Management	3
WTR 1000	Water Remediation Techniques	3
INT 1009	Intro to Instrumentation	4
One of the following General Education courses:		3
BUS 3585	Entrepreneurship	
POL 1500	Canadian Political Studies	
SCI 1000	Issues and Ethics in Science	
Credits		18

Semester 4		Credits
ENV 1013	Principles of Natural Resources Management	3
ENV 1018	Data Management	4
ENV 1028	Advanced Air Monitoring	3
GIS 1000	GIS Applications	3
WHS 1000	Environmental Workplace Safety	3
The following General Education Course:		3
SCI 1000	Issues and Ethics in Science	

BUS 3585	Entrepreneurship	
POL 1500	Canadian Political Studies	
Credits		19
Semester 5		
ENV 1019	Field Placement	5
Credits		5
Total Credits		83

1

Course with Lab Component

Fees

Tuition and Ancillary Fees

Please see our fees page (<http://cambriancollege.ca/fees>) for the breakdown of tuition and mandatory ancillary fees by program and semester for both domestic and international students

Books & Supplies

The cost of books and supplies for Year 1 is approximately \$650. This is the best information available at the time of publishing to the website and is subject to change.

Graduate Options

Employment Opportunities

Graduates can work in a variety of industrial, governmental, municipal, and private consulting organizations as:

- Environmental monitoring technicians
- Natural resource technicians
- Environmental consultants
- Environmental laboratory technicians
- Field research assistants

College/University Degree Opportunities

Graduates from this program may continue their studies at college/university and may receive credit for their prior College education.

Refer to College/University Agreements (<http://www.cambriancollege.ca/agreements>) for further information.

Contacts

Darryl Edwards

Program Coordinator

705-566-8101, ext 7256

darryl.edwards@cambriancollege.ca