

Fleming College

Ecosystem Management Technology - Advanced Standing

Ontario College Advanced Diploma (6 semesters)

START IN SEPTEMBER 2022

Classes begin:	September 06, 2022
Offered at:	Frost Campus
Program code:	EMD
	*Tuition amounts are from the 2021-2022 academic year and are subject to change.

PROGRAM COORDINATOR

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Program Highlights

Are you an Environmental Studies, Biology or Science grad?

- » in just 8 months (2 semesters) you can get practical field skills and applied experience
- » add a Fleming College diploma to your degree
- » increase your confidence and marketability
- » network with potential employers
- » graduate job ready

You may be eligible for advanced standing entry to the final year (semester five) of the Ecosystem Management Technology program. Your experience will begin with a field camp in a remote wilderness setting, doing field research, as well as team-building exercises.

Throughout this program, your technical skills will grow, along with your project management and leadership skills. You will obtain valuable work experience through the Credit for Product student placement program, and you will also have the option to obtain certifications recognized and valued by employers.

Program students host an annual EcoHealth conference in April. The class invites Lindsay and surrounding area residents, community groups and local businesses to attend, participate and learn. The 2013 theme was "Feeding our Future" - with the aim of engaging community involvement in sustainable agriculture.

Work Experience

In the fall and winter semesters, you will work in a small team for an external agency one day per week during the Credit for Product student placement program. It's a great opportunity to expand your network of employment contacts and gain valuable on-the-job experience. You'll work with community and resource agencies that are dedicated to long term ecosystem health and sustainability. Our partners in this placement program include agencies like the Ontario Federation of Anglers and Hunters, conservation authorities, provincial stewardship councils, the Ontario Ministry of Natural Resources, local schools, community groups, and many more.

Career Opportunities

As an Ecosystem Management Technologist, you'll qualify for work in:

- » restoration/conservation of ecosystems
- » habitat assessment
- » Geographic Information Systems
- » ecological research
- » rural and urban planning
- » environmental protection

Additional Costs

Plan to spend an additional \$475 for books, supplies, and field camp.

Physical Requirements

As an Ecosystem Management student you will be required to:

- » Participate in field activities, sometimes in remote areas, including walking up several kilometers over rough terrain, carrying heavy gear, and working in all weather conditions such as rain, deep snow and extreme temperatures.
- » Participate in activities that require reading, interpreting and creating maps using Geographic Positioning Systems and Geographic Information System software, topographic paper maps and aerial photographs.
- » Identify landscape features, rocks, minerals, soil layers, flora and fauna, including microscopic plankton and invertebrates for the purposes of habitat assessment. Identification of these elements of the ecosystem will be based almost exclusively on live and/or preserved specimens, objects or samples, maps and photographs etc.
- » Apply verbal and non-verbal communication techniques in a team context to resolve conflicts and achieve project goals.

Minimum Admission Requirements

Students applying to Ecosystem Management Technology - Advanced Standing must meet the following requirements:

- » B.Sc. (emphasis Biology) or B. Environmental Science/Geography, or an Ontario College Diploma in Environmental or Natural Sciences or equivalent

OSSD with majority of courses at College (C) or Open (O) unless otherwise stated.
Grade 12 C courses will be accepted where Gr 11 C course requirements are listed.
Where College level courses are listed, U and M courses will be accepted.

Vocational Learning Outcomes

- » No VLOs provided to AQ.
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Courses and Descriptions

SEMESTER 5

Credit for Product I: Student Placement	FLPL 4	Hours: 90
Field Camp	APST 21	Hours: 40
First Nations and Sustainable Development	ECOS 8	Hours: 45
Habitat Assessment	FIWI 14	Hours: 45
Resource and Environmental Economics	LAWS 70	Hours: 45
Satellite Data Processing	COMP 84	Hours: 45
Urban Ecosystems	ECOS 12	Hours: 45

SEMESTER 6

Applications of GIS in Natural Resources	GEOM 3	Hours: 45
Credit for Product II: Field Placement	FLPL 78	Hours: 90
Ecosystem Health	ECOS 6	Hours: 45
Principles of Wildlife Management	FIWI 30	Hours: 45
Sustainability at Work	ECOS 5	Hours: 45
Urban and Regional Planning	FSTY 54	Hours: 45

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