

Specialist High Skills Major

Environment

2025-2026

Profile

Employment in the environment sector has boomed in recent years, and, according to industry experts, existing labour shortages in this sector are expected to increase as regulations to meet Canada's goals regarding climate change come into effect. Employment in this sector can be in environmental protection, conservation and preservation of natural resources or environmental sustainability.

Certifications (7)

Compulsory (4):

- CPR level C with AED
- Global Positioning System (GPS)
- Standard First Aid
- WHMIS

Electives (3) (more options at Ontario.ca):

- White Water Canoeing
- Water Rescue
- Safe Chainsaw Handling
- Technical Support
- Bear Safety
- Hike Ontario
- Project Wild
- Search and Rescue
- Geographical Information System
- Leadership Skills

Possible Occupations in the Sector

Workplace	Apprenticeship	College	University
Hunting Guide Landscaping Worker Outfitter Sports and Recreation	Arborist Linesperson	Conservation officer Environmental Technician Mapping Technician Fish and Wildlife Technician	Climatologist Meteorologist Geologist Environmental Engineer

Additional Information

- SHSMs are for students in all four pathways: Workplace, Apprenticeship, College, and University.
- Major credits may be offered in school, but additional courses are offered through eLearning and booklet courses.
- You can indicate your interest at www.myblueprint.ca or speak with your Guidance Counsellor.
- There are no extra credits required - the SHSM is obtained within the 30 OSSD credits.
- SHSMs are two-year programs and are made up of Grade 11 and 12 courses.
- There are no additional fees for students to participate in a SHSM.



Environment SHSM Pathway (Total of 9 credits)

Please check the Ministry's Master List for more approved courses

Grade 11 Courses

Grade 12 Courses

Major Credits (4 credits)

Students can now substitute 3 additional Cooperative Education credits related to their sector in place of 3 major credits

CGG3O – Travel and Tourism: A Geographic Perspective
 GPP3O – Leadership and Peer Support
 IDC3O/IDP3O – Interdisciplinary Studies
 PAD3O – Healthy Living and Outdoor Activities
 PPZ3C – Health for Life
 SBI3C – Biology
 SBI3U – Biology
 SCH3U – Chemistry
 SPH3U – Physics
 SVN3M – Environmental Science

CGR4E – Living in a Sustainable World
 CGR4M – The Environment and Resource Management
 HSE4M – Equity and Social Justice
 IDC4O/IDP4O – Interdisciplinary Studies
 IDC4U/IDC4C – Interdisciplinary Studies
 PAD4O – Healthy Living and Outdoor Activities
 PLF4M – Recreation and Healthy Active Living Leadership
 PPL4O – Healthy Active Living Education
 SBI4U -- Biology
 SCH4C – Chemistry
 SCH4U – Chemistry
 SPH4C – Physics
 SPH4U – Physics

English (2 credits)

NBE3C – Understanding Contemporary First Nations, Métis, and Inuit Voices
 NBE3E – Understanding Contemporary First Nations, Métis, and Inuit Voices
 NBE3U – Understanding Contemporary First Nations, Métis, and Inuit Voices

ENG4C – English
 ENG4E – English
 ENG4U – English
 OLC4O – Ontario Secondary School Literacy Course

Math (1 credit)

MBF3C – Foundations for College Math
 MCF3M – Functions and Applications
 MEL3E – Mathematics for Work and Everyday Life
 MCR3U – Functions

MAP4C – Foundations for College Mathematics
 MCT4C – Mathematics for College Technology
 MDM4U – Data Management
 MCV4U – Calculus and Vectors
 MHF4U – Advanced Functions
 MEL4E – Math for Work and Everyday Life

Cooperative Education (2 credits taken in grade 11 OR 12)
Summer co-op available.



Specialist High Skills Major Environment

Student Name: _____

Year of graduation: _____

Pathway of interest:

☐ Apprenticeship

☐ College

☐ University

☐ Workplace

Certifications (Mandatory*): ☐ *Standard First Aid ☐ *CPR Training ☐ *WHMIS Training ☐ *GPS	Date Completed: _____ _____ _____ _____	2 Sector Specific Certifications: ☐ _____ ☐ _____ ☐ _____	Date Completed: _____ _____ _____ _____
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Pathway	Apprenticeship	College	University	Workplace
4 Major Credits: New: Students can now substitute 3 additional Cooperative Education credits related to their sector in place of 3 major credits	☐ _____ ☐ _____ ☐ _____ ☐ _____	☐ _____ ☐ _____ ☐ _____ ☐ _____	☐ _____ ☐ _____ ☐ _____ ☐ _____	☐ _____ ☐ _____ ☐ _____ ☐ _____
	☐ 1 extra sector-related coop credit _____ ☐ 1 extra sector-related coop credit _____ ☐ 1 extra sector-related coop credit _____			
2 English:	☐ _____ ☐ _____	☐ _____ ☐ _____	☐ _____ ☐ _____	☐ _____ ☐ _____
1 Math:	☐ _____	☐ _____	☐ _____	☐ _____
2 Sector Related Cooperative Education Credits:	☐ Coop _____ ☐ Coop _____	☐ Coop _____ ☐ Coop _____	☐ Coop _____ ☐ Coop _____	☐ Coop _____ ☐ Coop _____

Minimum 1 Experiential Learning, 1 Reach Ahead Experience & 1 Sector-Partner Experience:

☐ Experiential: _____ Date: _____

☐ Reach Ahead: _____ Date: _____

☐ SPE: _____ Date: _____