



CAREERS IN ENVIRONMENT

- Biologists and related scientists
- Chemical, civil and geological engineers
- Forestry professionals
- Geoscientists and oceanographers
- Landscape architects
- Meteorologists and climatologists
- Natural and applied science policy researchers, consultants, and program officers
- Urban & land use planners
- Landscape & horticulture technicians and specialists
- Biological technologists and technicians
- Chemical technologists and technicians
- Civil engineering technologists and technicians
- Conservation officers and fishery officers
- Forestry professionals
- Forestry technologists and technicians
- Silviculture and forestry workers
- Geological and mineral technologists and technicians
- Managers in aquaculture
- Technical occupations in geomatics and meteorology
- Material handlers
- Outdoor sport and recreational guides
- Water and waste treatment plant operators



For more information on the Specialist High Skills Major Environment program, contact your school guidance counsellor, SHSM board lead or visit Ontario.ca/SHSM



YOUR SKILLS,  FUTURE.



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ENVIRONMENT





Sector Overview

In order to sustain a clean, safe and healthy world, the environment continues to be an emerging global sector. As such, the government and other organizations have launched various programs to protect our air, water and land resources. The environment sector offers career opportunities in conservation, research, recreation, innovation and more to students who are interested in this field.

THE EXPERIENCE

Students in the Environment Specialist High Skills Major program will:

- Develop an understanding of current environmental issues and make connections to global perspectives
- Develop leadership skills while promoting change to better their school, their community and the global environment
- Participate in field trips, job shadowing and experiential learning to develop the environmental knowledge and employability skills necessary to pursue postsecondary education or employment
- Snowshoe, hike, climb, camp, orienteer and learn in the outdoors

CREDITS

Course Package

Each SHSM program offers students a bundle of 8 - 10 credits. These courses are regular Ontario secondary school courses that allow students to work towards their Ontario Secondary School Diploma, but have been bundled as the most relevant courses to prepare students for a future in the Environment sector.

Two credits in this bundle include Cooperative Education where students pursue a work placement in a field of interest.



The bundle includes:

- **4 “major” credits** in Environment in grade 11 and 12, such as Environmental Science, Biology, Outdoor Education and Geography
- **Supporting credits:**
 - > 1 Grade 11 and 1 Grade 12 English credit
 - > 1 Grade 11 Math credit
 - > 2 Cooperative Education credits to experience life in the Environment sector

Achievements in the Program

- **Certifications and Awareness Training:** Students complete selected sector-recognized certifications related to the major
- **Experiential Learning Opportunities:**
 - > Have the opportunity to job-shadow industry professionals
 - > Complete 2 Cooperative Education credits and get work experience in the Environment sector
 - > See guest speakers, go on field trips to explore careers in Environment
- Gain a **Sector Partnered Experiences** (SPE) component that includes one

of the following options: Innovation Creativity and Entrepreneurship (ICE) training; sector-delivered coding; or, sector-delivered mathematical literacy. The SPE will require a 6 hour activity, delivered with a sector partner and have an experiential and an assessment component

- **Reach Ahead Experiences:** Explore the field and postsecondary education opportunities in the Environment sector
- Completing the SHSM program prepares students for their pathway to **apprenticeship, college, university or work**