

Co-op Program

# ENVIRONMENTAL STUDIES



This bachelor's degree program aims to train professionals who are able to take a systemic look at environmental issues, manage environmental projects and collaborate on establishing and implementing concrete actions needed for socio-ecological transitions.

Students' multidisciplinary training will enable them to work effectively with people from various fields to suggest and implement innovative, eco-friendly solutions. Skilled at raising awareness and educating people on the environment and sustainable development, they will become a valuable resource for your organization in no time!

## WHAT OUR STUDENTS CAN DO FOR YOU

### Project management

- Design environment-themed projects and organize activities for organizations or communities
- Support the development, implementation and improvement of environment programs and environmental management systems
- Manage the eco-responsibility component of events
- Apply for environmental authorizations

### Adapted solution design

- Recommend solutions for greening, sustainable mobility, waste management, natural resource management, etc.
- Develop action plans and monitoring tools to implement solutions
- Work with others to mitigate greenhouse gas emissions and make adaptations in the face of climate change

### Communication, awareness, environmental education

- Awareness campaigns, education on environmental issues
- Facilitation (as naturalists, officers, etc.)
- Content communication and popularization
- Writing of reports and summaries

### Environmental diagnostics

- Diagnose environmental problems
- Analyze the sustainability of a project or an organization's activities
- Create georeferenced maps to illustrate a situation
- Contribute to Canada's greenhouse gas inventory
- Monitor environmental regulatory compliance
- Monitor environment quality (riparian buffer strips, contamination, etc.)



## KNOWLEDGE AND SKILLS

Term	Description
S-1	Research and information analysis; teamwork methods; eco-responsible events; ecosystems and water environments: biodiversity, ecosystem services, ecosystem components and dynamics, impacts and solutions; psychology and environment: human-nature relationships, drivers, obstacles and stages of change.
S-2	Communication: popularization of science, report writing, principles of good oral presentations; systemic and diagnostic approaches; nature and properties of soils, soil-related environmental issues; critical thinking and environmental data; applied environment policies: emergence and development of public policies, stakeholder strategies.
S-3	Environmental law; environmental information, awareness and education: social marketing campaigns, educational tools; analysis of environmental problems (diagnostics and solutions).
S-4	Natural resource management: impacts of mining, forestry and agricultural operations, good systemic management practices; socio-ecological economics: economic analyses and tools, externalities, environmental justice; environment project management methods; climate change: impacts, quantifying emissions, adaptation plans, reduction plans, carbon markets; waste and circularity.
S-5	Principles of sustainable management: sector studies (housing, socio-economic profile, businesses and services, urban planning, physical environment, etc.), neighbourhood development projects, Quebec laws; principles of geomatics: creating thematic maps, geographic information systems.
S-6	Frames of reference for environmental management; environmental ethics and governance: types of governance, stakeholders and players, ethics issues; environmental projects: responding to a quote with a service offering, organizing and following up on project meetings, implementation, project management using indicators, relationships with contractees.

## ORGANIZATION OF STUDY (S) AND WORK TERM (W)

1st year			2nd year			3rd year			4th year
FALL	WIN	SUM	FALL	WIN	SUM	FALL	WIN	SUM	FALL
S-1	S-2	W-1	S-3	W-2	S-4	W-3	S-5	-	S-6