

# Training Resources Related to Indigenous Climate Monitoring

Developed by the Indigenous Community-Based Climate Monitoring Program, Crown-Indigenous Relations and Northern Affairs Canada based on products developed by CLAW Environmental Services and Stantec and the Centre for Indigenous Environmental Resources.

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## Overview

This list of training resources is designed to support Indigenous communities, governments, and organizations in identifying potential training opportunities related to aspects of climate change monitoring. The focus is on formal training programs. This list is not exhaustive and users are encouraged to find training opportunities which are most relevant for their own needs. Many colleges and universities and private institutions offer programs relevant to environmental monitoring that are not listed here. This list is not meant to recommend any training initiative over another whether on this list or excluded.

This document is a condensed format of a longer Excel-based version of the inventory developed by CLAW Environmental Services and Stantec. A previous inventory developed by the Centre for Indigenous Environmental Resources was useful in preparing this list.

To report any errors, suggest additional resources, or obtain the original documents for more in-depth information, please contact the Indigenous Community-Based Climate Monitoring program at [surveillanceclimat-climatemonitoring@rcaanc-cirnac.gc.ca](mailto:surveillanceclimat-climatemonitoring@rcaanc-cirnac.gc.ca).

## Training and Certifications Programs Inventory

### Environmental Monitoring Training and Certifications

The Following table provides a list of Environmental Monitoring training and certifications programs available along with a short description of the program. More information is available about each program by visiting the program's website.

Program Title	Organization	Region and Location	Program Description	For More Information
Indigenous Environmental Stewardship and Reclamation Technician Certificate	Yellowhead Tribal College	Alberta Edmonton, Alberta	The Indigenous Environmental Stewardship and Reclamation programs (IESR) prepares students for the demanding and evolving field of environmental safeguarding, reclamation, and restoration. This program will provide students with a background in theory and practice, including laboratory work and field experiences. Learning from academics, Elders, industry, and community experts, students will learn how environmental science and Traditional Ecological Knowledge (TEK) are vital in balancing traditional values and the needs of the industry and communities in the continued development of resources.	<a href="https://ytced.ab.ca/programs-courses/programs/stewardship-reclamation/">https://ytced.ab.ca/programs-courses/programs/stewardship-reclamation/</a>
Community Based Environmental Monitoring	Keyano College	Alberta Fort McMurray, Alberta	The Community-Based Environmental Monitoring Program will provide environmental monitoring training through a holistic approach that reflects Indigenous perspectives and worldviews. The curriculum integrated Indigenous knowledge with Western science focusing on monitoring land, water, air, and wildlife across the four (4) seasons of the year. The theory will be taught in class and applied on the land, with more than 60% of the instructional time to be practical learning in the field. One credit course is completely land-based with four (4) one-week traditional learning experiences on the land appropriate to the season.	<a href="https://www.keyano.ca/en/programs-and-courses/community-based-environmental-monitoring.aspx">https://www.keyano.ca/en/programs-and-courses/community-based-environmental-monitoring.aspx</a>
Training through partnerships	Centre for Indigenous Environmental Resources (CIER)	Manitoba Winnipeg, Manitoba	Established as a national First Nation directed environmental non-profit charitable organization in 1995, CIER's mission is to work in partnership with Indigenous nations to support and build sustainable Indigenous communities and protect lands and waters.	<a href="http://www.yourcier.org/">http://www.yourcier.org/</a>
Environment and Natural	Aurora College	Northwest Territories	The Environment and Natural Resources Technology Program is a two-year Diploma program which links opportunities to learn from experience in the field with academic coursework in the classroom and skill training in the laboratory. Graduates of the program will possess the ability needed to succeed as	<a href="https://www.auroracollege.nt.ca/future-students/explore-">https://www.auroracollege.nt.ca/future-students/explore-</a>

Program Title	Organization	Region and Location	Program Description	For More Information
Resources Technology		Fort Smith, North West Territories	technicians and officers in natural resource and environmental management careers including wildlife, forestry, marine and freshwater fisheries, planning, water resources, environmental protection, parks, land claim resource management, oil and gas, and mining. The program places emphasis on learning through experience.	<a href="#">programs/environment-and-natural-resources/</a>
Environmental Monitoring Training	Blythe & Bathe	Northwest Territories	We offer training in many aspects of environmental monitoring, including climate, water, soil, plants, and wildlife.	<a href="https://blythandbathe.com/training-programs/environmental-monitoring-training/">https://blythandbathe.com/training-programs/environmental-monitoring-training/</a>
Environmental Technology Program	Northern Arctic College	Nunavut Iqaluit, Nunavut	The Environmental Technology Program (ETP) is a two-year program that incorporates classroom, lab, and fieldwork experience to develop the necessary skills for graduates to find employment as environmental practitioners in a variety of fields: natural resource management, fish and wildlife conservation, waste management, environmental protection and parks management. The awareness, transfer and respect of Inuit Qaujimagatuqangit are integral to this program, with elders and Inuit professionals regularly participating in classroom and field settings to share their cultural knowledge.	<a href="https://arcticcollege.ca/trades-and-technology">https://arcticcollege.ca/trades-and-technology</a>
Environmental Monitoring Course	Northern College	Ontario Kirkland Lake, Ontario	Learn from professionals via Zoom, classroom and field setting. Topics include permits and inspections, spills preparedness, response, and reporting, waste management, air, soil, and groundwater monitoring and more. Receive a training manual to help apply your skills and knowledge.	<a href="http://www.northern.on.ca/trainingdivision/environmental-monitor-course/">http://www.northern.on.ca/trainingdivision/environmental-monitor-course/</a>
Environmental Core Skills	Eco Canada - BEAHR	Various In Community and other locations	The courses consist of five modules with each one focusing on helping you develop the skills you'll need to work in an assistant-level environmental job. (3 weeks, or 90+ hours of instruction).  These modules include: Foundation Skills, Introduction to the Environmental Sector, Technical Skills, Health & Safety, Local Knowledge	<a href="https://eco.ca/new-practitioners/beahr/">https://eco.ca/new-practitioners/beahr/</a>
Environmental Monitoring Coordinator - Regulatory Specialization	Eco Canada - BEAHR	Various In Community and other locations	The Environmental Monitoring Curriculum prepares students to observe and measure impacts of human and industrial activities and communicate this information to various stakeholders to mitigate negative impacts. Regulatory Monitors are those individuals who monitor the activities of industry to ensure compliance with land-use or other environmental impact agreements. (2 weeks, or 60+ hours of instruction)  Some of the topics covered in the regulatory specialization include: -Legislative and non-legislative environmental requirements that apply to development activities	<a href="https://eco.ca/new-practitioners/beahr/">https://eco.ca/new-practitioners/beahr/</a>

Program Title	Organization	Region and Location	Program Description	For More Information
			<ul style="list-style-type: none"> <li>-Identification of environmental effects and the related monitoring and reporting requirements at different phases</li> <li>-Role of local knowledge and Western science in identifying risks, mitigation measures, and further monitoring requirements</li> </ul>	
Environmental Monitoring Coordinator - Research Specialization	Eco Canada - BEAHR	Various In Community and other locations	<p>The Environmental Monitoring Curriculum prepares students to observe and measure impacts of human and industrial activities and communicate this information to various stakeholders to mitigate negative impacts. Research Monitors assist with the monitoring of various factors of the environment. (2 weeks, or 60+ hours of instruction)</p> <p>Some of the topics covered in the research specialization include:</p> <ul style="list-style-type: none"> <li>-Incorporating local knowledge and Western science into environmental monitoring and planning</li> <li>-Basic ecological principles</li> <li>-Using standard equipment and tools for environmental monitors including safety equipment, maps, GPS and recording equipment</li> <li>-Using various surveying and sampling techniques used to study environmental parameters</li> </ul>	<a href="https://eco.ca/new-practitioners/beahr/">https://eco.ca/new-practitioners/beahr/</a>
Environmental Site Assessment Assistant	Eco Canada - BEAHR	Various In Community and other locations	<p>An environmental site assessment assistant participates in the environmental assessment of a potentially contaminated site. The program curriculum prepares students with the essentials of environmental site assessment phases I, II, and III. (4 weeks, or 120+ hours of instruction)</p> <p>Some of the topics covered in this course include:</p> <ul style="list-style-type: none"> <li>-Background on Environmental Site Assessment Approaches, legislation and regulatory agencies</li> <li>-Obtaining local knowledge about the site and surroundings</li> <li>-Sampling and testing techniques</li> <li>-Interpretation and evaluation of field data</li> <li>-Project planning and preparing reports</li> </ul>	<a href="https://eco.ca/new-practitioners/beahr/">https://eco.ca/new-practitioners/beahr/</a>
Contaminated Sites Remediation Coordinator	Eco Canada - BEAHR	Various In Community and other locations	<p>A contaminated sites remediation coordinator assists in the confirmatory sampling of a remediated site and coordinates the long-term monitoring of site health and recovery. The program curriculum prepares students with the essentials of contaminated sites remediation. (4 weeks, or 120+ hours of instruction)</p> <p>Some of the topics covered in this course include:</p>	<a href="https://eco.ca/new-practitioners/beahr/">https://eco.ca/new-practitioners/beahr/</a>

Program Title	Organization	Region and Location	Program Description	For More Information
			<ul style="list-style-type: none"> <li>-Introduction to the steps of contaminated sites management</li> <li>-Engaging the community about remediation activities</li> <li>-Sampling and testing at a site</li> <li>-Developing and implementing a remedial action plan</li> <li>-Long-term monitoring of site health and recovery</li> </ul>	
Local Environmental Coordinator	Eco Canada - BEAHR	Various In Community and other locations	<p>A local environmental coordinator assists in protecting and improving the quality of the environment in his or her community. The program curriculum prepares students with the fundamentals of environmental management. (12 weeks, or 360+ hours of instruction)</p> <p>Some of the topics covered in this course include:</p> <ul style="list-style-type: none"> <li>-Background on the environmental issues that may affect their community</li> <li>-Communication skills, interpersonal skills, and non-technical work skills</li> <li>-Project management; including budget tracking, monitoring project schedules and supervising staff</li> <li>-Identifying pieces of legislation that are used in the environmental sector</li> <li>-Integrating Traditional Knowledge within data collection and data analysis</li> <li>-Developing, implementing, and monitoring environmental plans</li> </ul>	<a href="https://eco.ca/new-practitioners/beahr/">https://eco.ca/new-practitioners/beahr/</a>
Reclamation Specialization	Eco Canada - BEAHR	Various In Community and other locations	<p>1 instructional week (minimum 30-hours of training)</p> <p>Complimentary to the 4-week Contaminated Sites Remediation Coordinator, a reclamation assistant aims to restore disturbed land to pre-existing conditions after it has been impacted by construction and operational activities. The program focuses on the reclamation process to receiving statutory relief, understanding the dynamics and responsibilities that arise between industry, proponents, Indigenous Nations, public, etc. (1 instructional week (minimum 30-hours of training))</p> <p>Topics include:</p> <ul style="list-style-type: none"> <li>-Regulatory process for reclamation projects across Canada</li> <li>-Reclamation techniques and methodology for different industry</li> <li>-The significance of Indigenous participation in the reclamation process</li> <li>-Implementation of steps in the reclamation process across various projects</li> </ul>	<a href="https://eco.ca/new-practitioners/beahr/">https://eco.ca/new-practitioners/beahr/</a>

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Reclamation Specialization	Eco Canada - BEAHR	Various In Community and other locations	<p>1 instructional week (minimum 30-hours of training)</p> <p>Complimentary to the 4-week Contaminated Sites Remediation Coordinator, a reclamation assistant aims to restore disturbed land to pre-existing conditions after it has been impacted by construction and operational activities. The program focuses on the reclamation process to receiving statutory relief, understanding the dynamics and responsibilities that arise between industry, proponents, Indigenous Nations, public, etc. (1 instructional week (minimum 30-hours of training))</p> <p>Topics include:</p> <ul style="list-style-type: none"> <li>-Regulatory process for reclamation projects across Canada</li> <li>-Reclamation techniques and methodology for different industry</li> <li>-The significance of Indigenous participation in the reclamation process</li> <li>-Implementation of steps in the reclamation process across various projects</li> </ul>	<a href="https://eco.ca/new-practitioners/beahr/">https://eco.ca/new-practitioners/beahr/</a>
In Community and other locations	Eco Canada - BEAHR	Various In Community and other locations	<p>Students will use both an Indigenous and Western lens to analyze the impacts that climate change has on future generations, and to identify and implement adaptation options at the community level to increase the resiliency of their nation. (1 instructional week (minimum 30-hours of training))</p> <p>Through the incorporation of Indigenous Knowledge and Western Science, you will work through a series of discussions, activities and case studies focused on:</p> <ul style="list-style-type: none"> <li>-Understand impacts of climate change on their local nation</li> <li>-Analyzing vulnerabilities and risks surrounding their community due to climate change</li> <li>-Identify tools needed to build community resilience in the face of climate change</li> <li>-Building a Framework for local adaptation planning</li> </ul>	<a href="https://eco.ca/new-practitioners/beahr/">https://eco.ca/new-practitioners/beahr/</a>
Leadership in Energy Management	Eco Canada - BEAHR	Various In Community and other locations	<p>This course is focused on building leadership and technical hands-on skills in the areas of energy management, including energy efficiency (retrofits), renewable energy and community energy planning (CEP). Gain hands-on technical skills and effective strategies for implementing energy efficiency and renewable energy projects at a community level. (5 instructional days (minimum 30-hours of training))</p> <p>Key topics include:</p> <ul style="list-style-type: none"> <li>-Sustainability at the community level</li> <li>-Exploring the benefits of community based sustainability</li> </ul>	<a href="https://eco.ca/new-practitioners/beahr/">https://eco.ca/new-practitioners/beahr/</a>



Program Title	Organization	Region and Location	Program Description	For More Information
			<ul style="list-style-type: none"> <li>-Hands-on technical sessions exploring energy efficiency through commercial, residential and community-based platforms</li> <li>-Explore renewable energy development, considering solar, wind and geothermal options</li> <li>-Learn clear, tangible action plans for the community to meet their own sustainability goals</li> </ul>	
Land Use Planning	Eco Canada - BEAHR	Various In Community and other locations	<p>A land use planning coordinator assists in the development and coordination of a community land use plan with emphasis on Indigenous land use planning. The program curriculum prepares students with the fundamental concepts associated with the creation, implementation, and execution of a land use plan designed to meet the needs of their community or region. (4 weeks or 120+ hours of instruction)</p> <p>Upon graduation, they can assist with:</p> <ul style="list-style-type: none"> <li>-Developing a community vision and goal</li> <li>-Gathering biophysical and cultural information</li> <li>-Creating an inventory of community information</li> <li>-Coordinating a community mapping session</li> <li>-Identifying and assessing land use options</li> </ul>	<a href="https://eco.ca/new-practitioners/beahr/">https://eco.ca/new-practitioners/beahr/</a>
CanNorth Community Programs	CanNorth	Various Saskatoon, SK Markham, ON Yellowknife, NWT	CanNorth works in numerous capacities with communities and Indigenous peoples, both nationally and internationally. We specialize in designing, completing, and managing Community-based Environmental Monitoring Programs (CB-EMP) and traditional foods studies, and providing capability building and training to Indigenous communities.	<a href="https://cannorth.com/community-programs/">https://cannorth.com/community-programs/</a>
Canadian Aquatic Biomonitoring Network (CABIN) Training Program: Online Modules	Canadian Rivers Institute in partnership with Environment and Climate Change Canada	Various In Community and other locations	The objective of the CABIN Training Program is to provide participants with necessary skills and knowledge to successfully conduct freshwater benthic invertebrate monitoring and assessment to a nationally acceptable standard, using online CABIN resources (database, analytical and reporting tools); and to provide uniformity and consistency in the application of CABIN sampling methods across Canada.	<a href="https://www.canadianriversinstitute.com/training/cabin">https://www.canadianriversinstitute.com/training/cabin</a>

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Water quality training and school programs	Water First	Various	Certified educators at Water First have developed programs that create opportunities for Indigenous students to strengthen their relationship with the environment, and to foster a love of education and Water Science.	<a href="https://waterfirst.ngo/">https://waterfirst.ngo/</a>
Environmental Management Online Certificate	University of Northern British Columbia	Online	UNBC's Environmental Monitoring Online Certificate is a professional certificate that gives students the theoretical and practical knowledge needed to work as an environmental monitor. Environmental monitors are environmental representatives who ensure that industrial activities comply with today's government standards. Therefore, this certificate teaches students the ORCA model, the system used by environmental monitors to Observe, Record, Communicate and Archive (ORCA) data to mitigate or respond to potential environmental impacts.	<a href="https://www2.unbc.ca/continuing-studies/courses/em-environmental-monitoring-online-certificate">https://www2.unbc.ca/continuing-studies/courses/em-environmental-monitoring-online-certificate</a>
Meteorology Fundamentals	Universal Class	Online	<p>The study of land, atmospheric pressure, cloud formation and storms offers students of meteorology a never-ending and fascinating look into the forces of nature and our surrounding environment. From how rainbows form to the impact of pollution on the environment, this basic meteorology course explores such topics as: how geography affects weather, cloud formation, wind forces, weather forecasting methods, and global weather patterns (such as El Niño).</p> <p>From weather forecasting to water conservation, we'll introduce you to the vagaries of weather watching and prediction. We'll study the effects of pressure fronts that create hurricanes, tornadoes, and cyclones. We'll offer students clues on how to watch the sky for signs of change, as well as provide a greater understanding of the development and formation of some of the most awesome powers on earth.</p>	<a href="https://www.universalclasses.com/i/course/learn-meteorology-basics.htm">https://www.universalclasses.com/i/course/learn-meteorology-basics.htm</a>
Vegetation Measurement and Monitoring	University of Idaho	Online	Vegetation monitoring, and related activities like assessment and inventory, are a cornerstone of natural resource adaptive management. The Vegetation Measurement and Monitoring course was designed to give an overview of vegetation measurement techniques for grasslands, shrublands, woodlands, and forests. Students will gain a solid understanding of how to evaluate and monitor vegetation attributes relative to wildlife habitat, livestock forage, fire fuel characteristics, watershed function, and many other wildland values.	<a href="https://learn.landscapetoolbox.org/course/vegetation-measurement-and-monitoring/?tab=tab-overview">https://learn.landscapetoolbox.org/course/vegetation-measurement-and-monitoring/?tab=tab-overview</a>
Community Collaborative Rain Hail and Snow Network	Community Collaborative Rain Hail & Snow	Online	CoCoRaHS Canadian Training "CoCoRaHS" (stands for "Community Collaborative Rain, Hail and Snow Network") is a unique, non-profit, community-based network of volunteers of all ages and backgrounds working together to measure and map precipitation across Canada. By using low-cost measurement tools, stressing training and education, and utilizing an interactive website, our aim is to provide the highest	<a href="https://www.cocorahs.org/Canada-Training.aspx">https://www.cocorahs.org/Canada-Training.aspx</a>  <a href="https://media.cocorahs.org/docs/CAN/Training_CoC">https://media.cocorahs.org/docs/CAN/Training_CoC</a>

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	Network "CoCoRaHS"		quality data for natural resource, education and research applications. CoCoRaHS is Canada Wide operating in nearly every Province and Territory, and also in every U.S. State	<a href="#">oRaHSCanada_ICBCMP.pdf</a>
Using Climate Data for Decision Making	Climate Data Canada (Environment and Climate Change Canada)	Online	Using Climate Data for Decision Making: Explore this section to learn more about the science behind climate data, choose and access Canadian climate data, and download pre-made materials for your own training sessions	<a href="https://climatedata.ca/learn/">https://climatedata.ca/learn/</a>
Permafrost Course	Alfred Wegener Institute, Hemholtz Centre for Polar and Marine Research	Online	This seven module course covers introduction to Arctic science, and the changing landscape of permafrost retreat including carbon and climate feedbacks, arctic vegetation and microbes, streams, lakes and more.	<a href="https://www.apecs.is/research-arch-archive/research-discipline-pages-2012-2014/82-earth-sciences/permafrost.html">https://www.apecs.is/research-arch-archive/research-discipline-pages-2012-2014/82-earth-sciences/permafrost.html</a>
Backyard Meteorology: The Science of Weather	Harvard Online	Online	This course will explore the science behind weather systems by teaching the observational skills needed to make a forecast the without using instruments or computer models. We'll discuss the physical processes driving weather and the global forces that shape global climate systems.	<a href="https://online-learning.harvard.edu/course/backyard-meteorology-science-weather?delta=1">https://online-learning.harvard.edu/course/backyard-meteorology-science-weather?delta=1</a>
Sensing Planet Earth: Water & Ice	Chalmers University of Technology	Online	Where do we find water on our planet? Should we worry about rising sea levels? Can we predict climate change? Learn how to measure and monitor the Earth's water and ice masses.	<a href="https://www.edx.org/course/sensing-planet-earth-water-and-ice?source=aw&amp;awc=6798_1584381151_ac3a38df167b531428f0b07e59836a91&amp;utm_source=aw&amp;utm_medium=affiliate_partner&amp;utm_content=text-link&amp;utm_term=301045_h">https://www.edx.org/course/sensing-planet-earth-water-and-ice?source=aw&amp;awc=6798_1584381151_ac3a38df167b531428f0b07e59836a91&amp;utm_source=aw&amp;utm_medium=affiliate_partner&amp;utm_content=text-link&amp;utm_term=301045_h</a>

Program Title	Organization	Region and Location	Program Description	For More Information
				<a href="https://www.class-central.com/">https://www.class-central.com/</a>
Environmental Field Skills Certificate	Natural Resources Training Group	Online/British Columbia	The Environmental Field Skills Certificate Program (EFS) is a very practical, field-based Environmental Monitoring skills training certificate program. The EFS is delivered on-demand, in communities throughout North America, utilizing local sites and watersheds as the 'classroom'	<a href="https://www.nrtraininggroup.com/environmental-field-skills">https://www.nrtraininggroup.com/environmental-field-skills</a>
Various Webinars: - Indigenous Learning series - Climate Action - Invasive Species	Ontario Land Trust Alliance	Online/Ontario	Ontario Land Trust Alliance (OLTA) is a registered charity focused on providing community, knowledge sharing and support to land trusts and other groups committed to land conservation across Ontario.  By strategically protecting land, we contribute essential solutions to biodiversity loss and climate change. Restoring and protecting forests, wetlands, grasslands and farmland are nature-based climate solutions. Nature absorbs carbon dioxide from the atmosphere and stores carbon in plants and soil. Nature also shields against storm surges, absorbs the worst effects of flooding and protects biodiversity. Nature does the heavy lifting for us. All we have to do is protect it.	<a href="https://olta.ca/what-we-do/education-and-training/">https://olta.ca/what-we-do/education-and-training/</a>
Environmental Monitor Workshop	Blue Heron Environmental	Online/Ontario	Our workshop is applicable to a broad audience, including: Environmental Monitors looking for to expand their knowledge, or seeking a refresher People with environmental responsibilities in their communities or business. Those wanting to enter the field of environmental monitoring, or seeking to become a technician.	<a href="https://www.blueheronenv.com/training/env-monitor/">https://www.blueheronenv.com/training/env-monitor/</a>
Various: - Aquatic Studies & Environmental Effects Monitoring - Bridging the Gap Ecology & Traditional Ecological Knowledge - Air Monitoring	Blue Heron Environmental	Online/Ontario	From grass roots site risk assessments, to full development and implementation of certifiable integrated Environmental, Health and Safety Management Systems, Blue Heron can provide the level of service your organization requires.	<a href="https://www.blueheronenv.com/training/webinars/">https://www.blueheronenv.com/training/webinars/</a>

Program Title	Organization	Region and Location	Program Description	For More Information
Breeding Bird Surveys & Nest Searches				
Stream Monitoring/Research Study Design Workshop	Toronto Region Conservation Authority	Online/Ontario	This course is recommended for biologists, ecologists, technicians, resource managers, and data managers who are involved in stream surveys, as well as those involved in making management decisions regarding streams and headwater systems.	<a href="https://trca.ca/conservation/environmental-monitoring/technical-training/#stream-monitoring">https://trca.ca/conservation/environmental-monitoring/technical-training/#stream-monitoring</a>
Environmental Monitoring Certificate	Yukon University	Whitehorse, Yukon	The Environmental Monitoring Certificate program prepares students for entry-level field work with First Nation or other governments, industry, field researchers, or environmental services companies. The program is also an opportunity for employed individuals to take selected courses as part of their professional development plan.	<a href="https://www.yukonu.ca/programs/environmental-monitoring">https://www.yukonu.ca/programs/environmental-monitoring</a>
Northern Outdoor and Environmental Studies	Yukon University	Online/Whitehorse, Yukon	Experience the northern environment and examine a variety of environmental issues, including land use and interpretation, resource depletion and stewardship, wilderness fragmentation and protection, biodiversity, and threats like pollution and climate change.	<a href="https://www.yukonu.ca/programs/northern-outdoor-and-environmental-studies">https://www.yukonu.ca/programs/northern-outdoor-and-environmental-studies</a>
Decision Making for Climate Change	Yukon University	Whitehorse, Yukon	Ideal for decision makers, managers and policy makers, participants will learn about climate change science, impacts and policy.  Participants will receive a certificate upon course completion. This course is delivered by the Northern Climate Exchange (NCE) of the Yukon Research Centre in partnership with Yukon Government's Climate Change Secretariat as part of NCE's Climate Change Information and Mainstreaming Program (CCIMP).	<a href="https://www.yukonu.ca/programs/decision-making-climate-change">https://www.yukonu.ca/programs/decision-making-climate-change</a>
Northern Environmental and Conservation Sciences	Yukon University	Whitehorse, Yukon	The Northern Environmental and Conservation Sciences (ENCS) program integrates natural and social sciences to investigate the unique ecosystem and cultural issues of the North. In collaboration with the University of Alberta (U of A), Yukon University (YukonU) offers years three and four of a Bachelor of Science (B.Sc.) degree in Northern Environmental and Conservation Sciences (ENCS), with a major in Northern Systems.  The ENCS curriculum offered at YukonU integrates natural and social sciences as related to issues such as: -wildlife conservation	<a href="https://www.yukonu.ca/programs/northern-environmental-and-conservation-sciences">https://www.yukonu.ca/programs/northern-environmental-and-conservation-sciences</a>

Program Title	Organization	Region and Location	Program Description	For More Information
			-land use resource management under modern treaties -energy global climate change northern and aboriginal studies, -local environmental, economic and social context	
Northern Science (Environmental and Conservation Sciences Stream)	Yukon University	Whitehorse, Yukon	<p>Merge natural and social sciences to gain a foundation for exploring conservation and sustainability challenges in northern regions.</p> <p>The Northern Science diploma, ENCS stream, prepares students for transfer to the Bachelor of Science in Northern Environmental and Conservation Sciences (ENCS) program, offered at Yukon University in partnership with the University of Alberta. The diploma program provides two years of university transferable courses that fulfill the requirements to enter the third year of the ENCS program with a Major in Northern Systems.</p> <p>The Diploma of Northern Science, ENCS stream, is awarded for the completion of the equivalent of 60 credits. Courses are selected from Core and Elective options, as well as two additional three-credit "free electives". These free electives can be chosen from a variety of disciplines (discuss with a Program Advisor)</p>	<a href="https://www.yukonu.ca/programs/northern-science-environmental-and-conservation-sciences-stream">https://www.yukonu.ca/programs/northern-science-environmental-and-conservation-sciences-stream</a>
Training through partnerships	Wildlife Conservation Society Canada	Yukon, Ontario, British Columbia Toronto, Ontario	WCS Canada uses a unique blend of on-the-ground scientific research and policy action to help protect wildlife across Canada. Our scientists are leaders in developing solutions to address conservation challenges, from the impacts of climate change on wildlife and wild areas to the cumulative effects of resource development and other human impacts.	<a href="https://www.wcscanada.org/">https://www.wcscanada.org/</a>
Indigenous Schools Water Program	Water First	Can travel to deliver programming	Certified educators at Water First have developed comprehensive programs that create opportunities for students to strengthen their relationship with the environment, and foster a love of education and water science. Their programs, designed for K-12 students, include multiple hands-on STEM workshops that explore custom curricular and local water science concepts. Students spend time on the land and in the classroom exploring these topics using water science tools and Water First learning resources. Working in collaboration with community members, students gain a greater understanding of their local geography and watershed. They also learn about the role they can play, as students and as young professionals, in protecting their water resources. Water First is honoured to have engaged with schools in over 30 communities in Ontario, Quebec, Labrador, and Manitoba, so far.	<a href="https://waterfirst.ngo/wh-at-we-do/indigenous-schools/">https://waterfirst.ngo/wh-at-we-do/indigenous-schools/</a>

## Project Management Training and Certification

The following table provides a list of primarily online and virtual training and certification programs related to project management.

Program Title	Organization	Region and Location	Program Description	For More Information
Building Teams That Work	EPIC Training	Online	Chances are you will be part of a professional or personal team at some point. This course provides you with communication, problem-solving and leadership skills to keep your team on the right track and real-life scenarios that will help you master successful team-building and management.	<a href="https://www.ed2go.com/epic/online-courses/building-teams-that-work/">https://www.ed2go.com/epic/online-courses/building-teams-that-work/</a>
Online Proposal Writing Course	Candid Learning	Online	Completely online and self-directed, this course puts you in charge of your own learning as you move through 15 lessons covering all aspects of proposal writing. We'll give you plenty of guidance along the way with examples, worksheets, and templates to get you on your way to writing that proposal. You'll have three months from the date of purchase to access the course, time you can use to complete the course at your own convenience and at your own pace!	<a href="https://learning.candid.org/training/courses/online-proposal-writing-course/">https://learning.candid.org/training/courses/online-proposal-writing-course/</a>
Productive Prioritization: Tools to Build your System	Skill Share	Online	In this 30-minute class, join Trello's own Brian Cervino as he shares tools, tactics and tips to make your day more productive, so you and your team can collaborate better and accomplish all of your goals with maximum success.  You'll learn to: Strategically prioritize and execute your goals Use productivity methods to work collaboratively with your team Personalize your workflow to maximize your productivity Learning these foundational tools will transform your day, so you can tackle your workday and personal projects with ease.	<a href="https://www.skillshare.com/classes/Productive-Prioritization-Tools-to-Build-Your-System-Learn-with-Trello/1921237697">https://www.skillshare.com/classes/Productive-Prioritization-Tools-to-Build-Your-System-Learn-with-Trello/1921237697</a>
Management and Leadership: Managing a Team	Future Learn	Online	Developing plans – and building, supporting, growing and improving teams to deliver them – is a key part of management and leadership. This online course will show you how.	<a href="https://www.futurelearn.com/courses/leading-a-team">https://www.futurelearn.com/courses/leading-a-team</a>
Grant Proposal Writing Course	Non-Profit Ready	Online	Your impactful ideas won't get off the ground without funding and support. Understanding the grant writing process from start to finish is key to turning your organization's goals into reality.	<a href="https://www.nonprofitready.org/grant-proposal-writing">https://www.nonprofitready.org/grant-proposal-writing</a>

Program Title	Organization	Region and Location	Program Description	For More Information
			<p>This guide covers:</p> <ul style="list-style-type: none"> <li>-Overview of the grant writing process</li> <li>-Tips for drafting, editing, and revising your proposal</li> <li>-Common proposal writing mistakes to avoid</li> </ul>	
Communication Skills – Persuasion and Motivation: Understand the science and art behind effective communication and learn how to persuade and motivate people.	Alison	Online	Understand the science and art behind effective communication and learn how to persuade and motivate people.	<a href="https://alison.com/course/communication-skills-persuasion-and-motivation">https://alison.com/course/communication-skills-persuasion-and-motivation</a>
Leading with Effective Communication (Inclusive Leadership training)	EdX/Catalyst	Online	Through research and real-world examples, you will learn strategies to enhance your communication skills and approach. Topics will include understanding dialogue processes, debunking everyday communication myths, testing assumptions, listening, expressing yourself authentically, and communicating across differences. With short quizzes, compelling case studies, and engaging videos, you will develop knowledge in each section and share your experience with other learners.	<a href="https://www.edx.org/course/leading-with-effective-communication-inclusive-leadership-training">https://www.edx.org/course/leading-with-effective-communication-inclusive-lea#!</a>
The Manager's Toolkit: A Practical Guide to Managing People at Work	Coursera / University of London	Online	The aim of this course is to give you a practical guide to managing people at work. It does not matter whether you are a first time manager in a shop or a middle manager in an office environment; the same skills apply to every work place. In the course you will engage with some HR theories and then see how they translate into every day working life.	<a href="https://www.coursera.org/learn/people-management">https://www.coursera.org/learn/people-management</a>
Fundamentals of Project Planning and Management	Coursera / University of Virginia	Online	This is an introductory course on the key concepts of planning and executing projects. We will identify factors that lead to project success, and learn how to plan, analyze, and manage projects. Learners will be exposed to state-of-the-art methodologies and to considering the challenges of various types of projects.	<a href="https://www.coursera.org/learn/uva-darden-project-management">https://www.coursera.org/learn/uva-darden-project-management</a>



Program Title	Organization	Region and Location	Program Description	For More Information
How to use SMART Goals : Achieve More in Less Time	Udemy	Online	Use a proven goal setting strategy to increase your productivity, leadership and management skills.	<a href="https://www.udemy.com/course/goal-setting/">https://www.udemy.com/course/goal-setting/</a>
What Great Leaders Do	Alison	Online	This free online What Great Leaders Do course features Bob Sutton, a professor of management science at the Stanford University School of Engineering and a researcher in the field of evidence-based management. You will learn about the great need for leaders to hear the truth and the most appropriate ways to deal with team disagreements. You will also study the hallmarks of great leaders, the habits of those who fail to lead, and more!	<a href="https://alison.com/course/what-great-leaders-do">https://alison.com/course/what-great-leaders-do</a>
Introductory Wise Practices in Indigenous Leadership Online	Banff Centre for Arts and Creativity	Virtual	<p>Participants will have the opportunity to bring the Wise Practice Indigenous Leadership model to life in their role and organization, while embarking on a personal and professional leadership journey. This program creates the space to regenerate and envision, while expanding roots of identity, knowledge, and cultural values within each person's authentic leadership style. It will comprise theory and practice into action with the guidance of Elders, land-based learning, hands-on case studies, culture, arts, and community dialogue.</p> <p>Wise Practices in Indigenous Leadership provides the opportunity to center, strengthen, and balance cultural and contemporary leadership competencies.</p>	<a href="https://www.banffcentre.ca/programs/introductory-wise-practices-indigenous-leadership-online/20230328?utm_medium=email&amp;utm_source=CRM&amp;utm_campaign=Mktg-Indigenous_Leadership_Announcement-20221107">https://www.banffcentre.ca/programs/introductory-wise-practices-indigenous-leadership-online/20230328?utm_medium=email&amp;utm_source=CRM&amp;utm_campaign=Mktg-Indigenous_Leadership_Announcement-20221107</a>
Introductory Leading Teams: Governance for Indigenous Councils and Boards - Online	Banff Centre for Arts and Creativity	Virtual	<p>This introductory online program explores new and creative ways to move beyond standard Western models of governance to embrace culturally grounded models of Indigenous governance. Learn the principles of good governance while understanding how they can be incorporated into the teams you work with.</p>	<a href="https://www.banffcentre.ca/programs/introductory-leading-teams-governance-indigenous-councils-and-boards-online/20230131?utm_medium=email&amp;utm_source=CRM&amp;utm_campaign=Mktg-">https://www.banffcentre.ca/programs/introductory-leading-teams-governance-indigenous-councils-and-boards-online/20230131?utm_medium=email&amp;utm_source=CRM&amp;utm_campaign=Mktg-</a>

Program Title	Organization	Region and Location	Program Description	For More Information
				<a href="#">Indigenous Leadership Announcement-20221107</a>
Climate Change Perspectives for Project Managers	Royal Roads University	Virtual	This introductory online program explores new and creative ways to move beyond standard Western models of governance to embrace culturally grounded models of Indigenous governance. Learn the principles of good governance while understanding how they can be incorporated into the teams you work with.	<a href="#">Climate Change Perspectives for Project Managers - ONLINE   Royal Roads University   Professional &amp; Continuing Studies</a>

## Data Management Training and Certification

The following table provides information on various data management training and certification programs that are offered online and virtually.

Program Title	Organization	Region and Location	Program Description	For More Information
Field Data Collection & Management Using ARC-GIS	ESRI	Online	Learn how ArcGIS supports a complete field data management workflow—from the office to the field, in the field, and back to the office. You will learn best practices to configure and deploy ArcGIS field-productivity apps to meet your data-collection needs. You will have the opportunity to use your own iOS or Android device to complete some course exercises.	<a href="https://www.esri.com/training/catalog/5952ca883885672fa2147a4f/field-data-collection-and-management-using-arcgis/#!">https://www.esri.com/training/catalog/5952ca883885672fa2147a4f/field-data-collection-and-management-using-arcgis/#!</a>
Data Analytics for Decision Making	Future Learn / Bond University	Online	Data Analytics for Decision Making: An Introduction to using Excel: Go beyond simply gathering information, and discover how to use data to improve real-life decisions.	<a href="https://www.futurelearn.com/courses/data-analytics-using-excel">https://www.futurelearn.com/courses/data-analytics-using-excel</a>
Data Analysis with Excel for Beginners	Future Learn / Microsoft	Online	Data analysis skills are in increasing demand across a huge range of industries, but if maths is not your strong suit, it can be a daunting thing to learn. This ExpertTrack has been designed with exactly that in mind. It is a complete beginner’s guide to the subject, covering the basics of data analytics, maths, and Excel fundamentals to refresh your memory and build your confidence in these areas	<a href="https://www.futurelearn.com/experttracks/data-analysis-fundamentals-with-excel">https://www.futurelearn.com/experttracks/data-analysis-fundamentals-with-excel</a>

Program Title	Organization	Region and Location	Program Description	For More Information
Big Data and the Environment	Future Learn / University of Reading	Online	This course is aimed at professionals seeking a better understanding of environmental big data and the potential these offer to address key questions and underpin novel solutions for business.	<a href="https://www.futurelearn.com/courses/big-data-and-the-environment">https://www.futurelearn.com/courses/big-data-and-the-environment</a>
Introduction to Data Analytics	IBM / Coursera	Online	<p>This course will help you to differentiate between the roles of a Data Analyst, Data Scientist, and Data Engineer. You will learn the responsibilities of a Data Analyst and exactly what data analysis entails. You will be able to summarize the data ecosystem, such as databases and data warehouses. You will then uncover the major vendors within the data ecosystem and explore the various tools on-premise and in the cloud. Continue this exciting journey and discover Big Data platforms such as Hadoop, Hive, and Spark. By the end of this course you will be able to visualize the daily life of a Data Analyst, understand the different career paths that are available for data analytics, and identify the many resources available for mastering this profession.</p> <p>This course does not require any prior data analysis, spreadsheet, or computer science experience. All you need to get started is basic computer literacy, high school level math, and access to a modern web browser such as Chrome or Firefox</p>	<a href="https://www.coursera.org/learn/introduction-to-data-analytics">https://www.coursera.org/learn/introduction-to-data-analytics</a>
Climate Data Guide Tools & Resources	National Centre for Atmospheric Research	Online	This page is a compendium of resources for collecting and managing climate data.	<a href="https://climatedataguide.ucar.edu/climate-data-tools-and-analysis">https://climatedataguide.ucar.edu/climate-data-tools-and-analysis</a>
Geospatial and Environmental Analysis	University of California Davis	Online	<p>"Apply your GIS knowledge in this course on geospatial analysis, focusing on analysis tools, 3D data, working with rasters, projections, and environment variables. Through all four weeks of this course, we'll work through a project together - something unique to this course - from project conception, through data retrieval, initial data management and processing, and finally to our analysis products.</p> <p>In this class you will learn the fundamentals of geospatial and environmental analysis during four week-long modules.</p> <p>Take Geospatial and Environmental Analysis as a standalone course or as part of the Geographic Information Systems (GIS) Specialization. You should have equivalent experience to completing the first and second courses in this specialization, ""Fundamentals of GIS"" and ""GIS Data</p>	<a href="https://www.coursera.org/learn/spatial-analysis">https://www.coursera.org/learn/spatial-analysis</a>

Program Title	Organization	Region and Location	Program Description	For More Information
			Formats, Design, and Quality"" , before taking this course. By completing this third class in the Specialization you will gain the skills needed to succeed in the full program."	

## Health and Safety Training

The following table provides health and safety training programs from various organizations. Detailed information is available by accessing the training organization's website.

Program Title	Organization	Region and Location	Program Description	For More Information
Avalanche Operations Level 1	Canadian Avalanche Association	British Columbia, Various	<p>Avalanche Operations Level 1 is the first in-person professional-level training course for those seeking employment with avalanche risk management operations such as: ski resorts; highways operations; guiding*, and recreational avalanche course instruction.</p> <p>In some cases, the course may satisfy the primary requirements of the employer. In other cases, it may be one of many steps to work in a specific industry. The specific learning outcomes for successful students are described under Program Goals.</p>	<a href="https://www.avalancheassociation.ca/page/Level_1">https://www.avalancheassociation.ca/page/Level_1</a>
Water Rescue - Various	Raven Rescue	British Columbia, Various	<p>Flatwater. Swiftwater. Tidal water.</p> <p>The level of training you need depends on how close you get to the water in the course of your work. We offer a full range of NFPA compliant water rescue courses to prepare you for any work environment.</p> <p>The standard training levels are:</p> <ol style="list-style-type: none"> <li>1. Awareness (more than 10' from water)</li> <li>2. Operations (within 10' of water)</li> <li>3. Technician (in or on water)</li> </ol> <p>For more information on choosing the best course for you, read our FAQ on Technical Rescue Training Levels. Read our FAQ about the definition of moving water to learn whether you work in flatwater, or swiftwater.</p>	<a href="https://ravenrescue.com/training/water">https://ravenrescue.com/training/water</a>
Mental Health First Aid (MHFA) Inuit	Mental Health Commission of Canada	Nunavut, Iqaluit	<p>Mental Health First Aid (MHFA) Inuit is a course designed by Inuit, for Inuit and for those who work with Inuit. The three-day course encourages people across Inuit Nunangat to have conversations about mental wellness with family, friends, and colleagues. Addressing the stigma associated with mental health and wellness can be challenging, MHFA Inuit provides a</p>	<a href="https://www.mhfa.ca/en/course-type/inuit">https://www.mhfa.ca/en/course-type/inuit</a>

Program Title	Organization	Region and Location	Program Description	For More Information
			foundation from which participants have an opportunity to learn from their own people in a culturally safe, and competent environment.	
Orientation on Health and Safety for New Workers	Canadian Centre for Occupational Health and Safety (CCOHS)	Online	<p>New employees need to know about their health and safety responsibilities, legislation, job related hazards, and how to work safely.</p> <p>Topics include:            Recognizing workplace hazards            Occupational health and safety law            General approaches to working safely            Working safely – specific hazards            Preparing for emergencies            Occupational health and safety programs            Who to ask for help</p>	<a href="https://www.ccohs.ca/products/courses/orientation/">https://www.ccohs.ca/products/courses/orientation/</a>
Personal Protective Equipment: The Basics	Canadian Centre for Occupational Health and Safety (CCOHS)	Online	<p>Get covered on the basics of PPE, including practical tips for safe use, PPE programs, limitations and legal responsibilities.</p> <p>Topics include:            -Common PPE            -Hazard control            -PPE program            -Responsibilities of workers, supervisors and employers            -Basic information and safety tips for the most common types of PPE:            -Head protection – e.g. hard hats            -Foot protection – e.g. safety shoes            -Eye/face protection – e.g. safety glasses            -Hearing protection - e.g. ear plugs, muffs            -Hand protection - e.g. gloves            -Respiratory protection            -High-visibility clothing</p>	<a href="https://www.ccohs.ca/products/courses/pp_equipment/">https://www.ccohs.ca/products/courses/pp_equipment/</a>

Program Title	Organization	Region and Location	Program Description	For More Information
Hazard Identification, Assessment and Control	Canadian Centre for Occupational Health and Safety (CCOHS)	Online	Assess the hazards and risks in your workplace and implement an effective control program. This three-module course outlines proven techniques for identifying hazards, assessing risks and controlling hazards for everyday situations. Accurately identifying, assessing, and controlling hazards is an essential part of a properly functioning occupational health and safety program. This course will help employers, managers and members of health and safety committees improve their health and safety performance. They will learn effective and proven methods of hazard identification, assessment, and control. The three modules of this course cover essential topics such as hazard mapping, workplace inspections, risk assessment techniques, and the hierarchy of controls.	<a href="https://www.ccohs.ca/products/courses/hazard/">https://www.ccohs.ca/products/courses/hazard/</a>
Pandemic Awareness	Canadian Centre for Occupational Health and Safety (CCOHS)	Online	Most of our lives are a combination of work, family, and community involvement. A pandemic can affect all of these areas. Being informed and knowing what to do during a pandemic can help minimize the impact. This free course describes what a pandemic is, how a virus spreads, and the impact a pandemic may have on workplaces, our communities, and us.  Topics include: -What is a pandemic? -How viruses spread -Being prepared -What might happen -What can we do? -Staying healthy -How to stop the spread of the virus	<a href="https://www.ccohs.ca/products/courses/pandemic_aware/">https://www.ccohs.ca/products/courses/pandemic_aware/</a>
Mental Health: e-Course Package	Canadian Centre for Occupational Health and Safety (CCOHS)	Online	This package includes the following e-courses.  -Mental Health: Awareness -Mental Health: Health and Wellness Strategies -Mental Health: Signs, Symptoms & Solutions -Mental Health: Psychologically Healthy Workplaces -Mental Health: Communication Strategies	<a href="https://www.ccohs.ca/products/courses/mh_series/">https://www.ccohs.ca/products/courses/mh_series/</a>

Program Title	Organization	Region and Location	Program Description	For More Information
Hazard Recognition	Canada Safety Training Centre	Online	Canada Safety Training's Online Hazard Recognition Course will guide you through all aspects of workplace hazards, from Slips, Trips and Falls to Fire and Electrical Hazards. Our comprehensive course will explain in detail what you need to know, emphasize key points and test your knowledge retention after each module. The course has been designed to meet and exceed Occupational Health and Safety Guidelines, so by completing this course you can improve your knowledge of an important part of workplace safety. After completion of this course you will be issued a certificate of completion.	<a href="https://www.canadasafetytraining.com/ProductDetails.aspx?ProductID=219">https://www.canadasafetytraining.com/ProductDetails.aspx?ProductID=219</a>
Wood Tick Safety	BIS Safety Software	Online	This online Wood Tick Safety course covers the following topics:  Where ticks are found Typical carriers of ticks The signs and symptoms of Lyme disease and Rocky Mountain spotted fever Methods for preventing tick bites How to remove ticks Tick bite treatment	<a href="https://www.bistrainer.com/store/bis-training-solutions-store/productdetails/wood-tick-safety">https://www.bistrainer.com/store/bis-training-solutions-store/productdetails/wood-tick-safety</a>
Walking on Icy Surfaces	BIS Safety Software	Online	Icy surfaces are a lot more dangerous than they look. This online Walking on Icy Surfaces course is designed to provide you with strategies for preventing slip and fall injuries on ice. Throughout the course, you'll gain valuable knowledge on how ice forms, where it accumulates, and the dangers you could face if you're not prepared.	<a href="https://www.trainanddevelop.ca/courses/walking-on-icy-surfaces/">https://www.trainanddevelop.ca/courses/walking-on-icy-surfaces/</a>
COVID-19 Safety	BIS Safety Software	Online	This online COVID-19 Safety course covers the following topics:  -COVID-19 transmission -Symptoms of COVID-19 -Vulnerable populations -Tips for preventing illness such as: -Physical distancing -Self-isolation -Proper hand washing techniques -Wiping down high-traffic surfaces -Sick plans	<a href="https://www.bistrainer.com/store/bis-training-solutions-store/productdetails/covid-19-safety">https://www.bistrainer.com/store/bis-training-solutions-store/productdetails/covid-19-safety</a>



Program Title	Organization	Region and Location	Program Description	For More Information
			<ul style="list-style-type: none"> <li>-Preventing the spread of illness in the workplace</li> <li>-Tips for employers</li> <li>-Worker rights</li> </ul>	
Bear Awareness	BIS Safety Software	Online	This online course provides information that will prepare you to handle situations that you may encounter when working, hunting, camping, or travelling in bear country. In addition to teaching you about the general characteristics and habits of bears, you will learn how to recognize and react to both defensive and non-defensive attacks to ensure you make it home unharmed.	<a href="https://www.trainanddevelop.ca/courses/bear-awareness-online/">https://www.trainanddevelop.ca/courses/bear-awareness-online/</a>
Hazard Identification, Assessment, and Control	BIS Safety Software	Online	<p>This online Hazard Identification, Assessment, and Control course was designed to help keep you safe on the job by showing you how to prevent injuries and illnesses in the workplace through hazard identification, assessment, and control.</p> <p>After completion of this course, an understanding should be gained of how to:</p> <ul style="list-style-type: none"> <li>-Assess and re-examine your personal beliefs to ensure they are not hindering your understanding of incident causation and potential solutions</li> <li>-Explain legal requirements for identifying, assessing, and controlling hazards in your work environment</li> <li>-List different types of work-related hazards</li> <li>-Follow a logical process to identify hazards</li> <li>-Prioritize hazards in terms of the risk they pose to workers</li> <li>-Describe control measures that can be used to deal with identified hazards</li> <li>-Explain practical controls that can be applied to your workplace</li> </ul>	<a href="https://www.trainanddevelop.ca/courses/hazard-identification-assessment-and-control/">https://www.trainanddevelop.ca/courses/hazard-identification-assessment-and-control/</a>
Back Road and Trail Driving	BIS Safety Software	Online	<p>Back Roads and Trail Driving aims to help you become a better and safer driver by providing you with the knowledge required to drive on back roads, trails, or other surfaces that are not conventionally paved, whether it be for your work or for leisure.</p> <p>After completing this course, learners will be able to:</p> <ul style="list-style-type: none"> <li>-Describe safety procedures and list safety equipment for back road and trail driving.</li> <li>-Discuss driving techniques and precautions for driving on unpaved surfaces, such as dirt or gravel roads and trails, and road shoulders.</li> </ul>	<a href="https://www.bistrainer.com/store/bis-training-solutions-store/productdetails/back-road-and-trail-driving">https://www.bistrainer.com/store/bis-training-solutions-store/productdetails/back-road-and-trail-driving</a>

Program Title	Organization	Region and Location	Program Description	For More Information
			<ul style="list-style-type: none"> <li>-Describe driving techniques and precautions for driving in mud, snow, water, and sand.</li> <li>-Describe a variety of driving techniques for avoiding obstacles and collisions with other road users on back roads.</li> <li>-Explain driving techniques and precautions for hitching and pulling a trailer.</li> </ul>	
Personal Protective Equipment: Safe at Work	BIS Safety Software	Online	<p>Personal protective equipment (PPE) protects workers and their livelihood when hazards are present in the workplace. This course teaches employees and their managers how to properly choose, use, and maintain PPE in the workplace.</p> <p>After completing this course, workers should be able to:</p> <ul style="list-style-type: none"> <li>-Correctly fit, maintain, and use personal protective equipment</li> </ul> <p>Conduct a workplace hazard evaluation and follow guidelines to select personal protective equipment</p> <ul style="list-style-type: none"> <li>-Prevent eye injuries by recognizing and eliminating potential workplace hazards and by selecting proper eye protection devices</li> <li>-Avoid foot injuries by understanding and eliminating potential workplace hazards and by choosing appropriate foot protection</li> <li>-Prevent head injuries by keeping an eye on overhead hazards and determining the correct type of hard hat for the job</li> </ul>	<a href="https://www.bistrainer.com/store/bis-training-solutions-store/productdetails/personal-protective-equipment-safe-at-work">https://www.bistrainer.com/store/bis-training-solutions-store/productdetails/personal-protective-equipment-safe-at-work</a>
First Aid Basics	BIS Safety Software	Online	<p>This online course is designed to help learners respond appropriately to first aid and emergency situations that may arise at work, home, and around the community. This course is intended to teach basic first aid only; it is not a substitute for full first aid training and certification or CPR training and certification.</p> <p>After completing this course, learners will be able to:</p> <ul style="list-style-type: none"> <li>-Identify situations that require first aid response</li> <li>-Assess an environment for safety</li> <li>-Prioritize and apply first aid measures</li> <li>-Evaluate appropriate responses to a person in distress</li> <li>-Select a person to assist when other people are available</li> <li>-Communicate effectively with 911 and emergency medical service (EMS) personnel</li> </ul>	<a href="https://www.trainanddevelop.ca/courses/first-aid-basics/">https://www.trainanddevelop.ca/courses/first-aid-basics/</a>

Program Title	Organization	Region and Location	Program Description	For More Information
			-Summarize the importance of company emergency plans, procedures, and policies	
Heat Stress	BIS Safety Software	Online	<p>Each year thousands of employees suffer the adverse effects of heat stress. Whether they work outdoors under the hot summer sun or indoors with equipment and machinery that give off high levels of heat, workers need to know how to recognize and prevent heat stress and other heat-related health problems.</p> <p>Using a powerful combination of audio, full-motion video, text, and colorful graphics, Heat Stress provides topic-based lessons so information is easily understood and retained. Learners will be taught how heat affects the body, the steps they can take to prevent heat stress, and elementary first aid that can be given to a worker affected by heat-related illness.</p>	<a href="https://www.trainanddevelop.ca/courses/heat-stress/">https://www.trainanddevelop.ca/courses/heat-stress/</a>
Working Alone Awareness Training	BIS Safety Software	Online	This online Work Alone Awareness course equips you with the information needed to understand laws concerning working alone. It teaches you how to recognize unclear and changing work alone situations and outlines practical ways to maximize your safety while working alone. Compliance requirements and employer obligations to employees are also presented. This course is suited to individuals and their supervisors working in industrial settings, such as the energy, forestry, mining, construction, and utility sectors.	<a href="https://www.bistrainer.com/store/bis-training-solutions-store/productdetails/working-alone-awareness-training">https://www.bistrainer.com/store/bis-training-solutions-store/productdetails/working-alone-awareness-training</a>
Cold Stress	BIS Safety Software	Online	<p>This course is designed to help learners understand how the body reacts to cold conditions, recognize the most common types of cold stress, learn how to prevent cold stress, and how to treat (first aid) workers with cold stress injuries until medical personnel arrive.</p> <p>After completing this course, learners will be able to:</p> <ul style="list-style-type: none"> <li>-Identify cold working environments</li> <li>-Recognize common signs and symptoms related to cold stress</li> <li>-Implement cold stress prevention measures</li> <li>-Discuss how to handle cold stress in emergency situations</li> </ul>	<a href="https://www.trainanddevelop.ca/courses/cold-stress-online/">https://www.trainanddevelop.ca/courses/cold-stress-online/</a>
Four Wheel Drive and Gravel Road Driving	BIS Safety Software	Online	<p>This award winning Thinking Driver Course provides all of the information that your employee needs to confidently begin safe off highway vehicle operation to prevent incidents and vehicle damage due to misuse.</p> <p>Topics include:</p>	<a href="https://www.trainanddevelop.ca/courses/four-wheel-drive-fundamentals/">https://www.trainanddevelop.ca/courses/four-wheel-drive-fundamentals/</a>

Program Title	Organization	Region and Location	Program Description	For More Information
			<ul style="list-style-type: none"> <li>-Equipment familiarization</li> <li>-When and how to engage and disengage two-wheel, all-wheel, four-wheel high, and four-wheel low ranges</li> <li>-How to properly operate transfer cases and axles</li> <li>-Basic four-wheel drive techniques, including:               <ul style="list-style-type: none"> <li>-Ascending and descending hills</li> <li>-Water crossing</li> <li>-Traversing ditches or other obstacles</li> </ul> </li> <li>-Driving on rough or unmaintained roads</li> <li>-Driving on slippery roads</li> <li>-Handling on hills, curves, and ditches</li> <li>-Vehicle stability and reducing the risk of rollover</li> </ul>	
Wilderness & Bear Awareness	BIS Safety Software	Online	<p>The biggest danger that people face in outdoor survival situations is being unprepared. Accordingly, this online course, which includes interviews with experts on various aspects of outdoor survival, provides information that will assist you to handle most situations that you may encounter in the outdoors when help isn't just around the corner.</p> <p>Topics include:</p> <ul style="list-style-type: none"> <li>-Responding appropriately to encounters with cougars, moose, elk, wolves, or snakes in the wild</li> <li>-Minimizing and treating bites and stings from wood ticks, mosquitoes, and bees</li> <li>-Bear awareness</li> <li>-Physical differences and general characteristics of bears</li> <li>-Bear behaviour and body language</li> <li>-Hibernation</li> <li>-Food sources</li> <li>-How to store food in a campsite</li> <li>-Hunting, camping, and travelling safely in bear country</li> <li>-Avoiding bear encounters</li> <li>-Recognizing and reacting to defensive and non-defensive attacks</li> <li>-When and how to play dead</li> <li>-Using and handling bear spray</li> </ul>	<a href="https://www.bistrainer.com/store/bis-training-solutions-store/productdetails/wilderness-bear-awareness">https://www.bistrainer.com/store/bis-training-solutions-store/productdetails/wilderness-bear-awareness</a>

Program Title	Organization	Region and Location	Program Description	For More Information
			<ul style="list-style-type: none"> <li>-Bear bangers</li> <li>-Reducing exposure to Lyme disease</li> <li>-Building emergency shelters in winter and summer months</li> <li>-Reacting to lightning</li> <li>-Staying safe around trees during normal and high-wind situations</li> <li>-Signaling for help</li> <li>-Making water safe for drinking</li> <li>-Preventing hypothermia and frostbite</li> </ul>	
Introduction to Avalanche Operations	Canadian Avalanche Association	Online	<p>This online course is a prerequisite for the Avalanche Operations Level 1 and it is also available to anyone interested in learning more about avalanche safety in a professional context.</p> <p>As a prerequisite to professional-level training, this course will provide a foundation for further learning across a variety of topics, including mountain weather, the mountain snowpack, and avalanche terrain fundamentals. This course is designed to provide each student with a broad understanding of some of the important subjects tackled in the Avalanche Operations Level 1 course.</p>	<a href="https://www.avalancheassociation.ca/page/IntrotoAvalancheOperations">https://www.avalancheassociation.ca/page/IntrotoAvalancheOperations</a>
Emergency Response Planning	Canadian Centre for Occupational Health and Safety (CCOHS)	Online	<p>This introductory course provides guidance for developing and implementing a response plan for workplace emergencies (emergencies at - or affecting - your workplace, including off-site emergencies involving your organization's staff). The course does not address community-wide emergencies (pandemic planning) not directly related to the workplace.</p> <p>Emergency Response Planning features case studies, review quizzes, and "Ask a Question". A final examination is also included.</p> <p>Topics include:</p> <ul style="list-style-type: none"> <li>The Key Steps to Emergency Preparedness</li> <li>Establishing the Planning Team</li> <li>Identifying Potential Emergencies and Assessing Risk</li> <li>Assessing Your Organization's Emergency Response Capabilities</li> <li>Building the Emergency Response Plan</li> </ul>	<a href="https://www.ccohs.ca/products/courses/emerg_response_plan/">https://www.ccohs.ca/products/courses/emerg_response_plan/</a>

Program Title	Organization	Region and Location	Program Description	For More Information
			Implementing the Plan: Preparing to Respond Evaluating Effectiveness and Continuous Improvement	
AED/CPR Awareness Course	Leavitt Training	Online	This online AED and CPR awareness course provides cardiopulmonary resuscitation (CPR) and automated external defibrillation (AED) skills review and practice using realistic scenarios to help you feel confident and ready to respond to a real emergency.	<a href="https://www.leavitttraining.com/store/leavitt-training-store/productdetails/aed-cpr-awareness-course">https://www.leavitttraining.com/store/leavitt-training-store/productdetails/aed-cpr-awareness-course</a>
First Aid - Environmental Emergencies	Leavitt Training	Online	After completing this lesson, learners will be able to recognize and respond to various types of environmental emergencies, including poisoning, chemical splashes, heat and cold stress, and animal bites or insect stings.  Upon successful completion of this course, you should have a better understanding of how to properly: Identify how to respond to a chemical splash. Respond to a poisoning emergency. Explain how to assist someone who has an animal bite or insect bite or sting. Respond to heat stress.	<a href="https://www.leavitttraining.com/store/leavitt-training-store/productdetails/first-aid---environmental-emergencies">https://www.leavitttraining.com/store/leavitt-training-store/productdetails/first-aid---environmental-emergencies</a>
Field Research Safety	Leavitt Training	Online	This lesson will teach you how to work safely and minimize the risks associated with field research, during which hazards are more dynamic and less controlled than they are in a laboratory setting.  Upon successful completion of this course, you should have a better understanding of how to: -Distinguish between your role and responsibilities as a field researcher (including reporting work-related incidents, injuries, or accidents) and the roles and responsibilities of the principal investigator and team leader. -Recognize the importance of preparing for time in the field by obtaining appropriate medical treatment, including vaccinations; obtaining necessary travel documents, assembling the required personal protective equipment, and -training for designated activities. -Identify potential hazards involved in fieldwork and methods to prevent yourself from being injured.	<a href="https://www.leavitttraining.com/store/leavitt-training-store/productdetails/field-research-safety">https://www.leavitttraining.com/store/leavitt-training-store/productdetails/field-research-safety</a>

Program Title	Organization	Region and Location	Program Description	For More Information
			-Recognize the unique risks involved in field research and the ways to help mitigate those risks, as well as actions to take in the event of an emergency.	
New Employee Safety Orientation	OSG	Online	Limited Course Description: Safety orientation is an essential part of an employers safety management system. This course provides a basic safety orientation for new workers.	<a href="https://1090.learninglogin.com/store/courses/new-employee-safety-orientation">https://1090.learninglogin.com/store/courses/new-employee-safety-orientation</a>
Job Hazard Analysis	OSG	Online	Limited Course Description: Employers are required to protect workers from workplace hazards. This course outlines how employers can protect workers by observing tasks, identifying hazards, and controlling the risks.	<a href="https://1090.learninglogin.com/store/courses/job-safety-analysis">https://1090.learninglogin.com/store/courses/job-safety-analysis</a>
Workplace Mental Health Awareness	OSG	Online	The mental health of workers impacts all workplaces. This course provides information about addressing mental health and creating a stigma-free environment in the workplace.	<a href="https://1090.learninglogin.com/store/courses/workplace-mental-health-awareness">https://1090.learninglogin.com/store/courses/workplace-mental-health-awareness</a>
Lone Worker Safety Training Online	OSG	Online	Limited Course Description: Overview of Working Alone; Hazard Assessment; Reducing the risk; Violence Prevention	<a href="https://osg.ca/variants/lone-worker-safety-training-online/">https://osg.ca/variants/lone-worker-safety-training-online/</a>
Working at Temperatures	OSG	Online	Working in extreme temperatures can adversely affect your health. This course describes how temperature affects the body and how to prevent injuries from extreme temperatures.	<a href="https://1090.learninglogin.com/store/courses/working-at-temperatures">https://1090.learninglogin.com/store/courses/working-at-temperatures</a>
Swiftwater Safety Rescue Awareness	Rescue Canada	Online	This online awareness course is the first step in your safety and rescue training. This comprehensive course covers topics of how the river works, basic equipment needs, safety and rescue applications and more.  It consists of 13 modules, mini quizzes, videos, and a final exam. Once complete you will receive your Awareness Certificate of Completion. This is a self-paced online course that takes up to 4 hrs to complete and is the prerequisite for the Swiftwater Safety Rescue Courses.	<a href="https://www.rescuecanada.ca/online-elearning-safety-awareness-courses/">https://www.rescuecanada.ca/online-elearning-safety-awareness-courses/</a>
Hazard Identification, Assessment and Control	Safety Courses Canada	Online	This online Hazard Identification course will help keep you safe on the job by showing you how to prevent injuries and illness in the workplace through hazard identification, assessment, and control.  Topics Include: How our beliefs influence our approach to incident prevention	<a href="http://www.safetycourses.ca/courses/hazard-identification-assessment-and-control/">http://www.safetycourses.ca/courses/hazard-identification-assessment-and-control/</a>

Program Title	Organization	Region and Location	Program Description	For More Information
			Types of hazards Legislation and regulations The three-step process for dealing with hazards Organizational hazard identification Components of risk assessment Evaluating risk Assigning values to risk Applying controls Formal hazard assessments versus field level hazard assessments	
Safety Orientation	Safety Courses Canada	Online	This online Safety Orientation course addresses two of the most prominent safety issues confronting employers today; that of developing a good safety attitude in their employees, as well as providing introductory safety training.  Topics include: Developing safety awareness Basics of accident prevention Hazard evaluation Safety housekeeping Tool use and maintenance Fire prevention and safety Use of personal protective equipment And more!	<a href="http://www.safetycourses.ca/courses/safety-orientation/">http://www.safetycourses.ca/courses/safety-orientation/</a>
Emergency Procedures	Safety Courses Canada	Online	Emergency Procedures This online course covers proper procedures for responding to a wide variety of emergency situations including medical emergencies, fires, natural disasters, explosions, bomb threats, hazardous spills, and acts of violence.  Topics include: -Medical emergencies -Fire emergencies	<a href="http://www.safetycourses.ca/courses/emergency-procedures/">http://www.safetycourses.ca/courses/emergency-procedures/</a>



Program Title	Organization	Region and Location	Program Description	For More Information
			-Evacuation and reporting -Weather related and natural disasters -Other emergency action situations	
The Mental Health First Aid (MHFA) Canada Northern Peoples	Mental Health Commission of Canada	TBD	The Mental Health First Aid (MHFA) Canada Northern Peoples course is guided by a number of important principles such as respect, cooperation, resilience, community, harmony, generosity and resourcefulness. Many of these values are used to guide Aboriginal ways of living. All of these values are considered important and many are interconnected with one another. This course was designed to respect the importance of holism and balance. That means that the whole person - mental, physical, social, emotional and spiritual parts of a person - must be considered when providing mental health first aid. It also means that for someone to be healthy, all of those parts must be in balance.	<a href="https://www.mhfa.ca/en/course-type/northern-peoples">https://www.mhfa.ca/en/course-type/northern-peoples</a>
Remote First Aid - 20 hrs Wilderness First Aid - 40 hrs Wilderness First Responder - 80 hrs	Canadian Red Cross	Various	Wilderness and remote environments require specialized skills, equipment and training. Whether you are an outdoor recreation enthusiast, live or work in a wilderness or remote setting, or work as a professional rescuer — Red Cross offers specialized training to meet your needs. The Canadian Red Cross Wilderness & Remote First Aid Program is one of the leading programs of its kind in Canada.  Topics include: Fully updated course content and resources, including a take-home Wilderness & Remote Field Guide filled with pictures, protocols, and the latest techniques. Learning activities and scenarios with real-life situations specifically designed for wilderness and remote environments. Expanded course offerings, including a brand-new Wilderness First Responder level providing advanced first aid and CPR skills, leadership and rescue decision-making skills for professional rescuers who work and respond to emergencies in remote or wilderness settings. Significant opportunities for hands-on learning with a significant portion of the courses taught in an outdoor setting so participants get the most effective learning experience possible.	<a href="https://www.redcross.ca/training-and-certification/course-descriptions/first-aid-at-home-courses/wilderness-remote-first-aid-program">https://www.redcross.ca/training-and-certification/course-descriptions/first-aid-at-home-courses/wilderness-remote-first-aid-program</a>
Chainsaw Safety & Cutting Techniques	Arbor Canada	Various	Contact Arbor Canada for more information about available public and private course offerings.	<a href="https://www.arborcanada.com/courses/chainsaw-safety-cutting-techniques">https://www.arborcanada.com/courses/chainsaw-safety-cutting-techniques</a>

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Mental Health First Aid First Nations	Mental Health Commission of Canada	Various	This course can be delivered wherever there is a need, such as a First Nations community, urban organization, rural and remote. It is especially important to note this is not a culturally competency or cultural sensitivity course. It is expected that anyone who takes the MHFA First Nations course will already have an existing and ongoing relationship with First Nations people and communities. It is designed to provide an opportunity for First Nations participants and others who work with First Nations to learn and have serious conversations about mental health and wellness. Participants will reflect on their life experiences, acknowledge the historical context of the colonization of Canada and move forward to address and explore ways to restore balance on a journey to mental health and wellness.	<a href="https://www.mhfa.ca/en/course-type/first-nations">https://www.mhfa.ca/en/course-type/first-nations</a>
Ice Rescue Technician	Raven Rescue	Various	Frozen lakes. Ponds. Rivers. We provide one level of training regardless of whether you work over flat water (frozen lakes and ponds), or over moving water (frozen creeks and rivers) because the baseline skills and knowledge are the same for both.  However, ice over moving water increases the risk exponentially and we recommend that personnel working on frozen creeks or rivers also consider swiftwater rescue training. Further, ice with open leads on large volume rivers warrants advanced ice training.  The standard-of-care for those working in this high risk environment is a minimum of 16 hours of training that combines theoretical and practical knowledge.	<a href="https://ravenrescue.com/training/ice">https://ravenrescue.com/training/ice</a>
Canoe/Kayak Safety	Paddle Canada	Various	Looking for professional paddlesports instruction? Our 2,700+ Instructor Members offer training and certification programs across Canada. Visit Paddle Canada to learn more.	<a href="https://www.paddlecanada.com/search-for-a-canoe-course/">https://www.paddlecanada.com/search-for-a-canoe-course/</a>
Firearms Safety Courses	Royal Canadian Mounted Police	Various	First-time licence applicants must pass the Canadian Firearms Safety Course before applying for a Possession and Acquisition Licence. After the in-class instruction, you will do a written and practical test.  Anyone 12 years or older can take the CFSC. Children under 12 can take the course, but only for educational purposes. They will not do the written or practical exams. To get a Minor's Licence to borrow and use non-restricted firearms, the minor must be between 12 and 17 years old.	<a href="https://www.rcmp-grc.gc.ca/en/firearms/safety-courses">https://www.rcmp-grc.gc.ca/en/firearms/safety-courses</a>

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Pleasure Craft Operators Card	Various	Various	There are various providers who provide this training across Canada. Visit Transport Canada to learn more.	<a href="https://tc.canada.ca/en/marine-transportation/marine-safety/operator-card-pcoc-faq">https://tc.canada.ca/en/marine-transportation/marine-safety/operator-card-pcoc-faq</a>
Baby It's Cold Outside (BICO) Training		Virtual	Baby It's Cold Outside (BICO) will teach you the fundamentals of staying safe and warm. Here you will learn how to be prepared for the worst-case scenario. How to prevent it from happening and, if it happens, how to perform to ensure you survive until help arrives. The BICO Program will answer questions about cold weather safety and survival, break down misconceptions about hypothermia and cold injuries, teach you what it takes to survive a cold night outside.	<a href="https://bicosurvive.com/en/#:~:text=Baby%20It%E2%80%99s%20Cold%20Outside%20%28BICO%29%20will%20teach%20you,perform%20to%20ensure%20you%20survive%20until%20help%20arrives.">https://bicosurvive.com/en/#:~:text=Baby%20It%E2%80%99s%20Cold%20Outside%20%28BICO%29%20will%20teach%20you,perform%20to%20ensure%20you%20survive%20until%20help%20arrives.</a>