

Build your Adaptation Knowledge and Expertise through Courses

Over 20 projects are being co-funded through Natural Resources Canada's (NRCan's) Building Regional Adaptation Capacity and Expertise (BRACE) Program, each focusing on themes such as infrastructure, natural resources, or communities. Projects help engineers, planners and others develop adaptation expertise and skills through courses, workshops and webinars.

Please find below a list of upcoming BRACE courses.

The BRACE Program is a 5-year, cost-shared program, led by NRCan, that invests in training, knowledge-exchange activities and practical action to increase the capacity of organizations, professionals, communities and small-to-medium sized businesses to undertake climate change adaptation actions.

- 1) A course on the PIEVC Protocol is being offered through the Climate Risk institute:



[Climate Change and Infrastructure Risk Assessment – the PIEVC Protocol](#): this online course will provide infrastructure professionals with information about, and practice with, the PIEVC Protocol—a practical tool and process that systematically assesses the risks of extreme weather and future climate on public infrastructure. The course is designed to fulfill one of the knowledge requirements of the Infrastructure Resilience Professional (IRP) Credentialling Program. It can also be taken as a stand-alone course for professional development credits.

- **Course dates:** October 6 to November 3, 2021
- **Instructors:** Norman Shippee, Dirk Nyland, Joel Nodelman & Jeff O'Driscoll
- **Cost:** \$625 +TAX (if pursuing IRP credential); \$475 +TAX (professional development only)

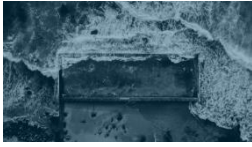
- 2) Also offered through the Climate Risk Institute is the following course on asset management:



[Asset Management and Climate Resiliency](#): this course introduces the fundamentals of asset management so that learners can identify the benefits and challenges of infrastructure asset management and link this to their own practice, including land use planning, operations and maintenance, finance, and risk management. The course provides an understanding of how climate can impact assets and services, and how the asset management process can be used to effectively implement climate action to build resilience. The course is designed to fulfill one of the knowledge requirements of the Infrastructure Resilience Professional (IRP) Credentialling Program. It can also be taken as a stand-alone course for professional development credits.

- **Course dates:** September 7 to October 12, 2021
- **Instructors:** Jody Rechenmacher & Donna Chiarelli
- **Cost:** \$625 +TAX (if pursuing IRP credential); \$475 +TAX (professional development only)

- 3) The Adaptation Learning Network at Royal Roads University is offering a suite of courses for Fall 2021 on topics ranging from ecosystems and natural asset management to climate policy:



[Climate Change Adaptation Fundamentals](#): This course is designed to help professionals working across multiple disciplines to apply a climate change adaptation lens to their current and future projects. At the end of the course, participants will understand basic climate change science, scenarios, and projected impacts and risks in British Columbia, as well as be able to identify data and tools required to plan an adaptation project.

- **Course dates:** October 4 to October 31, 2021
- **Instructor:** Dr. Stewart Cohen
- **Cost:** \$325 +GST



[Project Management for a Changing Climate](#): This course is designed to prepare professionals with project management responsibilities to add a climate change lens to their projects. It is suitable for individuals in management roles and above who have significant project management responsibilities.

- **Course dates:** November 1 to November 28, 2021
- **Instructor:** Susan Todd
- **Cost:** \$325 +GST



[Ecosystems for the Future](#): This online learning session will bring into focus the practice of restoration of ecosystems at the local and regional level in British Columbia through a series of presentations delivered by faculty from UVic's School of Environmental Studies, First Nations speakers and Elders, and professionals whose work intersects with ecology in diverse ways.

- **Course dates:** October 18 to October 29, 2021
- **Instructor:** Thomas Munson
- **Cost:** \$275 +GST



[Natural Assets Management](#): This course is designed to help local government staff, professionals in multiple disciplines who work with them, and people involved with community organizations, understand the fast-emerging field of natural asset management. At the end of the course, participants will understand what natural asset management is, how natural asset management is relevant in your own discipline, what you may be able to do differently as a result of knowing more about natural asset management, and where you can get additional information.

- **Course dates:** September 20 to October 10, 2021; November 15 to December 12, 2021
- **Instructor:** Roy Brooke
- **Cost:** \$325 +GST



[Strategic Dialogue and Engagement for Climate Adaptation](#): This course will provide you with skills to overcome barriers to action, mobilize knowledge and data effectively, and work across silos in genuine interdisciplinary and collaborative practice. You'll learn how to lead or participate in community engagement, without triggering fear and overwhelming others; practise critical self-awareness and self-reflection; and consider equity-based and decolonizing approaches.

- **Course dates:** October 6 to November 24, 2021
- **Instructor:** Olive Dempsey
- **Cost:** \$713.33 +GST



[Intro to Climate Policy for Climate Adaptation Professionals](#): This course will inform participants about climate adaptation policy in Canada and BC. It will allow them to consider how climate policy from international to local levels informs their professional functions and day to day activities on the job. The course covers topics such as the basics of environmental policy, differences between climate mitigation and climate adaptation policy, overviews of key policy actors and tools, and policy gaps.

- **Course dates:** October 10 to October 31, 2021
- **Instructor:** Michele Patterson
- **Cost:** \$350 +GST



[Climatic & Ecological Modelling for Adaptive Forest Applications](#): This course will introduce various climatic and ecological modelling tools and guide students to practical applications of scale-free climate models and niche-based ecological models in forest and ecological resource management to increase the resilience and viability of forest ecosystems.

- **Course dates:** December 6 to December 17, 2021
- **Instructor:** Tongli Wang
- **Cost:** \$650 +GST
- **Note:** This course is part of the [Climate Vulnerability and Adaptation](#) microcredential program, and as such, people interested in this course must enrol in the whole certificate.

For a full list of courses being offered through the Adaptation Learning Network, visit the [courses webpage](#).

- 4) The Saskatchewan Water Security Agency is offering the following training for the agricultural community:



[Introductory Qualified Persons Training](#): As our climate continues to change, so must the design and construction of agriculture water management projects. The sector will need the skills of professionals (called Qualified Persons or QPs) who assist landowners in designing adaptive projects that meet the requirements for a drainage approval. This course offers the introductory concepts that are important to ensure QPs have the appropriate skills and knowledge necessary to assist in the continued growth and resiliency of this sector.

- **Course dates:** September 7 to September 16; October 5 to October 14; November 2 to November 11; November 30 to December 8, 2021
- **Instructor:** Ryan Husband
- **Cost:** Free



[AgH2Onward](#): These workshops (approximately two hours/day) are geared to agricultural producers and will provide an introduction to innovative agricultural water management solutions that will strengthen farm and ranch operations under a changing climate. The workshops include five modules that will introduce you to the Agricultural Water Management Strategy in Saskatchewan, effective agricultural water management tools and techniques, benefits of getting your drainage projects approved, and more.

- **Course dates:** September 28 & 29; October 5 & 7; October 13 & 15; October 19 & 21; October 25 & 27; October 27 & 28; and more courses to be added in November 2021 to March 2022
- **Instructors:** Julie MacKenzie or Nicole Liesle
- **Cost:** Free

Stay tuned for more adaptation courses being offered through the Building Regional Adaptation Capacity and Expertise (BRACE) Program. For more information on BRACE, please [click here](#).