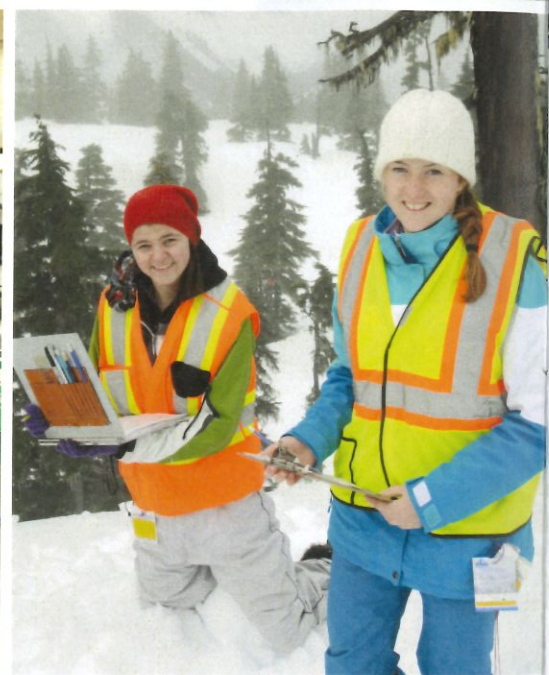


# 2016-17 Environmental & Cultural Programs

- » Associate of Science Degree - Environmental Geoscience
- » Associate of Arts Degree - Archaeological & Cultural Resource Management
- » Applied Coastal Ecology Certificate and Diploma
- » Applied Earth & Environmental Studies Certificate
- » Field Schools





## ARE YOU PASSIONATE ABOUT THE ENVIRONMENT, OUTDOOR LIVING AND IMPROVING THE HEALTH OF OUR PLANET?

NWCC gets you outside. We place an emphasis on the applied skills needed to pursue a career in cultural and environmental studies, and offer lots of field excursions.

With a thorough understanding of cultural issues and Earth's natural systems and processes, you will become versed in anthropological, atmospheric, biological, ecological, geographical and hydrological studies.

### It all starts at NWCC.

Complete a NWCC Associate Degree requirement and transfer those first and second year course credits to the institution of your choice.

Associate Degrees lead to undergraduate degrees at other post-secondary institutions.

### Careers in Environmental Studies

- » Natural or Cultural Resource Management
- » Environmental Consulting
- » Mineral and Resource Exploration
- » Conventional or Alternate Energy Projects
- » Parks & Recreation Planning
- » Fish, Wildlife or Freshwater Management
- » Forestry
- » Geology
- » Archaeology / Anthropology
- » Climate Modeling
- » Geotechnical Surveying / GIS
- » Traditional Land Use Studies
- » Community Planning
- .....and more!**

## APPLY TODAY

Visit [nwcc.ca](http://nwcc.ca) or  
call 1.877.277.2288



## Applied Earth and Environmental Studies Certificate

NWCC's one-year certificate program emphasizes the practical application of earth and environmental studies. With community-based projects and field-based studies you will gain skills needed for entry-level employment in natural resource, mining and mineral exploration, tourism, outdoor adventure and environmental industries.

### Fall Semester

- BIOL 101** | Introductory Biology I: Cells, Diversity and Physiology
- ENGL 101** | Introduction to Composition\*
- GEOG 110** | People and the Environment\*\*
- GEOG 160** | Physical Geography II: Geology, Geomorphology and Soils
- GEOG 157** | Geology of the Northwest

### Winter Semester

- BIOL 102** | Introductory Biology II: Genetics, Evolution and Ecology
- GEOG 150** | Physical Geography I: Biogeography, Meteorology & Climate\*\*
- GEOG 204** | Spatial Analysis and Geographic Information Systems (GIS)
- GEOG 207** | Hydrology and Soils

### Field Schools (Spring and Summer)

- ANTH 205** | Archaeology of Northern British Columbia\*\*
- GEOG 202** | Geography of Ecosystems
- GEOG 203** | Geomorphology
- GEOG 210** | Environments and Society

\* Or ENGL 151

\*\* Only one of these courses are required for the certificate (Note: both are required for the Associate of Science Degree)

## Associate of Science Degree - Environmental Geoscience Specialization

Builds directly on the Earth and Environmental Studies Certificate program. This program gives you a thorough background in science. Fieldwork and field-based methods are also an integral part of this Associate Degree.

With the completion of the Associate of Science Degree you can enter the third year Bachelor of Science Integrated Degree program at UNBC in Terrace or Royal Roads University. You can also go on to complete a Bachelor's degree at the institution of your choice in Environmental Science, Geography, Geology, Biology, or another related discipline.

In addition to the Certificate courses the following are required for the Associate Degree Program:

### Fall Semester

- CHEM 101** | Introductory Chemistry 1\*
- CPSC 111** | Introduction to Computers
- MATH 101** | Calculus 1<sup>^</sup>

### Winter Semester

- CHEM 122** | Principles of Chemistry 2\*\*
- ENGL 151** | Technical Writing
- MATH 131** | Statistics

### Field Schools (Spring Semester)

- ANTH 270** | Traditional Knowledge in Practice
- BIOL 201** | Invertebrate Zoology

<sup>^</sup> Note that Math 115 is the Pre-requisite for this course for students who did not take pre-calculus in highschool.

\* Or Phys 101

\*\* Or Phys 102 or Math 102

### For more information contact:

Gordon Weary, NWCC Professor  
1.877.277.2288 Ext.5390  
gweary@nwcc.bc.ca

Program delivery and timetables subject to change.



## Associate Degree in Arts Archaeological & Cultural Resource Management Specialization

Gain valuable applied research skills and experience in the growing field of archaeology and cultural resource management.

The Northwest region and First Nations communities provide rich environments to learn about cultural heritage and interpretation, archaeological and cultural assessment, and how those fields apply to tourism, museums, and community cultural resource management.

Along with the Applied Earth & Environmental Studies certificate, this Associate Degree provides an incredibly unique and practical foundation for the credit requirements needed for the Bachelor of Education Degree at UNBC in Terrace.

### Jobs in Cultural Resource Management

- » Historical preservation
- » Archaeology / Anthropology
- » History
- » Cultural Studies
- » Museum Technician or Curation
- » Cultural Tourism
- » First Nations Studies
- » Education

In addition to the Applied Earth & Environmental Studies certificate courses, the following are required for the Archaeological & Cultural Resource Management Associate Degree. Visit [nwcc.ca](http://nwcc.ca) to examine all course options.

#### Fall Semester

**SOC 101** | Intro to Sociology

**ANTH 102** | Intro to Cultural Anthropology

**FNST 101** | Intro to First Nations Studies

**ANTH 111** | First Nations of Canada

**CPSC 111** | Introduction to Computers

#### Winter Semester

**SOC 102** | Intro to Sociology

**ANTH 101** | Human Origins

**HIST 209** | History of Native Peoples of Canada

**ANTH 112** | First Nations of BC

#### Field Schools (Spring and Summer)

**ANTH 203** | Northern Nations of the Northwest Coast

**ANTH 205** | Archaeology of Northern BC

**ANTH 212** | Cultural Resource Management

**ANTH 270** | Traditional Knowledge in Practice

#### For more information contact:

Sheree Ronaasen, MA  
College Professor  
1.877.277.2288 Ext.5235



## Applied Coastal Ecology Diploma

Prepare for a career in coastal natural resources management, ecosystem restoration, environmental monitoring, and many others.

### Applied Coastal Ecology courses

- ACE 134** | Salmon ID, Life Cycles & Hatchery Rearing
- ACE 141** | Monitoring & Measuring Aquatic Species
- ACE 142** | Coastal Ecology Measurements
- ACE 154** | Surveying
- ACE 175** | Wildlife ID, Habitat & Population Management
- ACE 182** | Stream Habitat Restoration
- ACE 190** | Coastal Rainforest Ecology
- ACE 196** | Instrument Technology

### First Year Sciences

- BIOL 101 / 102** | Introduction to Biology
- CHEM 101 / 122** | Introductory Chemistry
- GEOG 150** | Physical Geography I: Biogeography, Meteorology & Climate
- GEOG 160** | Physical Geography II: Geology, Geomorphology and Soils
- CPSC 111** | Introduction to Computers
- English** (two of the following)
  - ENGL 151** | Technical Writing
  - ENGL 152** | Advanced Technical Writing
  - ENGL 101** | University Writing
  - ENGL 102** | Introduction to Literature

### 2nd Year Courses (five of the following)

- BIOL 211** | Principles of Ecology
  - GEOG 204** | Spatial Analysis and Geographic Information Systems (GIS)
  - OCGY 208** | Intro to Physical, Chemical & Geological Oceanography
  - OCGY 209** | Intro to Biological Oceanography
- plus any ANTH 200 or GEOG 200 level course*

### Electives

Electives can be chosen from any NWCC course offerings that satisfy the requirement for Diploma Completion. Choices include Anthropology, Biology, Chemistry, Economics, Geography, Math, Psychology, and Sociology. A student's choice of electives is guided by the specific degree completion program they are interested in.

### Other program options

- Applied Coastal Ecology Certificate
- Applied Coastal Ecology Post-Degree Diploma

Visit [nwcc.ca](http://nwcc.ca) for more information.

### Jobs in Applied Coastal Ecology

- » Environmental Assessment
- » Fisheries Monitoring & Enforcement
- » Consulting firms
- » Aboriginal Fisheries & Management
- » Education
- » Government agencies
- » Wildlife Management & Assessment
- » Watershed restoration

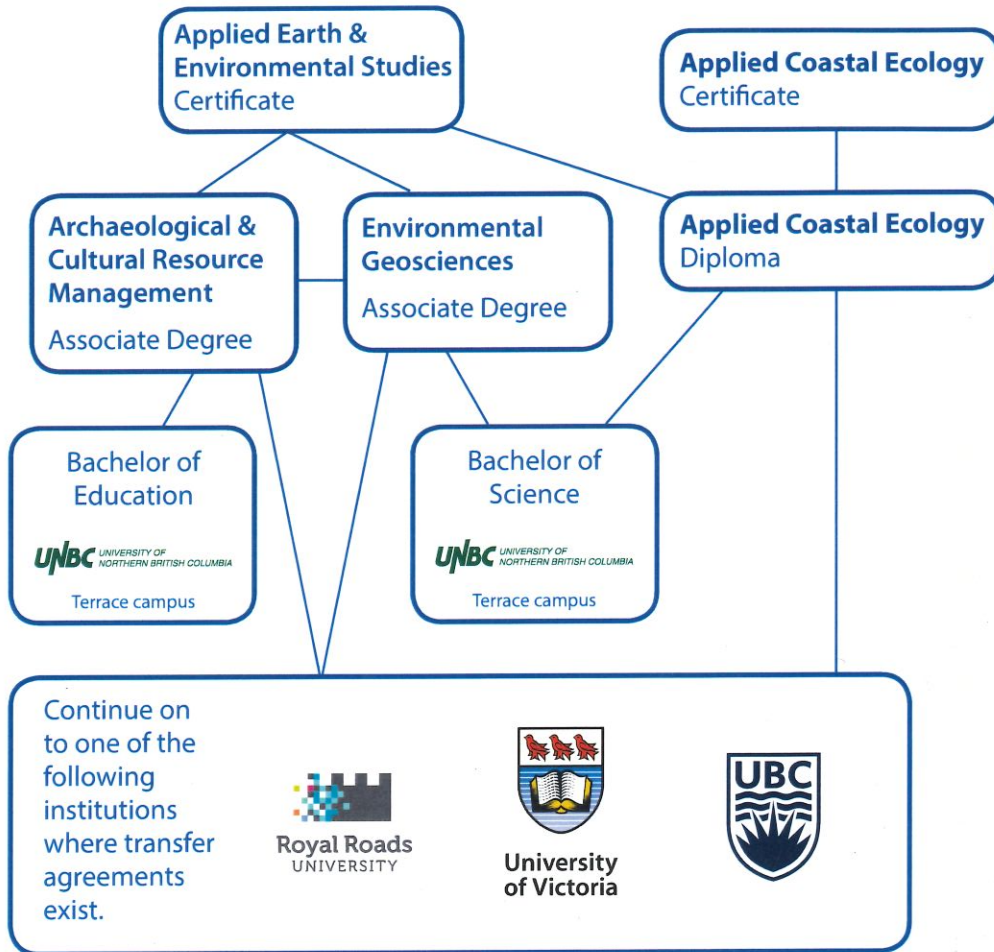
### For more information contact:

Ken Shaw, M.Sc. P.Ag.  
ACE Coordinator  
1.877.277.2288 Ext.5720

Program delivery and timetables subject to change.

# LEARNING PATHWAYS AT NWCC

Our programs will give you job-ready skills to enter the workforce or you can transfer your credits to degree programs at other institutes, it all starts here.



## LOOKING TO EARN EXTRA CREDITS OVER THE SUMMER?

A unique way to get university credits, experience northwest B.C.'s incredible history, culture and environment, and potentially change your life, is to enrol in one of NWCC's field schools.

Intensive spring and summer field schools incorporate a full semester of learning into just a few weeks.

### People of the Skeena Field School

The People of the Skeena field school includes an immersive experience in the rich culture and history of the Gitksan people. Learn about cultural practices and knowledge while preparing smoked salmon and weaving with cedar in an amazing outdoor classroom.

### Kitsumkalum Field School

Work with a team of students, instructors and members of the Kitsumkalum Band to assess ecological diversity, the effects of land disturbance, land use issues and ecosystem management. This is a fantastic opportunity to learn in the outdoors, improve your field research skills and experience the culture and environment that make our region so unique.

### NWCC also offers these field schools:

- Stewart / Telegraph Creek Field School
- Haida Gwaii Field School
- **Coming Soon!**  
Icefields to Oceans: A Transboundary Exploration of the Alaskan Panhandle

Visit [nwcc.ca](http://nwcc.ca) for more information.



HAZELTON

TERRACE

SMITHERS

HOUSTON

KITIMAT

PRINCE RUPERT

MASSET

SKIDEGATE

VILLAGE OF  
QUEEN CHARLOTTE