

RENEWABLE RESOURCE MANAGEMENT

Program Office: 403.382.6991 • envisci@lethbridgecollege.ca

Have you always respected the environment and the fish and wildlife that call it home? Then a career preserving their habitat might be right for you – and it starts in the Renewable Resource Management program. This intensive two-year diploma program is focused on biology and primarily deals with fish and wildlife.

Textbook theory will come to life as you trek out into fields, forests, lakes and rivers to study animals and their environment, learning how to preserve their habitat for generations to come. You'll be fully engaged in small classes taught by enthusiastic instructors who are recognized experts in the field.

Supplies for Field Studies

Students on field studies are expected to provide their own equipment and supplies. This may include:

- 30 cm metric steel ruler
- adequate clothing for cold/wet weather
- backpack for gear
- binoculars
- digital camera (standard feature)
- field equipment vest (recommended)
- food
- hiking boots
- orienteering compass
- sunscreen
- safety glasses
- water bottle
- warm sleeping bag
- work gloves
- “write-in-the-rain” treated field notebook/surveyors book

Equipment and supplies may not be required in all courses or terms. Please consult the course outlines for specific equipment required before purchasing. Field studies schedules are dependent on many variables and may require students to participate on weekends. All program field studies require mandatory attendance.

Other Required Supplies

Available from Lethbridge College Bookstore:

- 16x hand lens
- dissection kit
- lab coat
- metric triangular scale with 1:1, 1:2, 1:5, 1:10, 1:20 and 1:50 graduations
- safety glasses
- “write-in-the-rain” field notebook/surveyors book

Available from sporting, hardware and office supply stores:

- 4 GB or higher USB memory stick
- 12 or more coloured pencils (pencil crayons)
- 30 cm metric steel ruler
- binoculars (8X40 or 10X50 magnification)
- chest waders (rubber soled)
- clipboard
- Nexus Type 115 or Silva Ranger compass (with declination adjustment screw)
- scientific calculator (\$15-\$30 range)

For additional information concerning lab or field equipment, contact the lab coordinator at 403.320.3202 ext. 5594.

Your Investment

Program fees will vary. To view fee information for your program, go to lethbridgecollege.ca/programs (<https://lethbridgecollege.ca/programs/>) and select your program.

Students are responsible for the cost of the field trips relating to this program.

Graduation

Upon successful completion of all program requirements, students are awarded a Renewable Resource Management diploma.

ADMISSIONS

New students are accepted into the Renewable Resource Management two-year diploma program for the Fall term (September) only.

General Admissions Requirements

All applicants must meet the general admission requirements for Lethbridge College programs, as indicated in the Admission section of this calendar.

Academic Requirements

In addition to meeting the general admission requirements indicated in the Admission section of this calendar, applicants to this program must also satisfy the following specific course requirements (or equivalencies):

- Grade 11 biology
- Grade 11 chemistry
- Grade 12 math (equivalent to Alberta's Math 30-2 or a higher level math)

Basic computer literacy in the use of the Internet, e-mail, word processing, and fundamental processes of spreadsheets is required for the student to be successful in this program. Students lacking these skills are strongly urged to complete a basic computer literacy course prior to entering this program.

Employers often require that students hold a valid Standard First Aid or Wilderness First Aid Certificate and/or a CPR Certificate to be eligible for seasonal and/or permanent employment. Students are encouraged to obtain these certificates either prior to entering the program or during the first term.

CURRICULUM

Course	Title	Credits
Year 1		
Term I		
BIO-1167	Botany ¹	3
BIO-1168	Zoology ¹	3
RRM-1197	Spatial Information Techniques ¹	3
RRM-2252	Water Resources	3
STS-1155	Descriptive Statistics	3
Credits		15
Term II		
BIO-1170	Plant Systematics ¹	3
BIO-1172	Ecology ¹	3
ENG-1150	Composition	3
GEO-1166	Physical Geology	3
RRM-2253	Soil Resources	3
Credits		15
Year 2		
Term I		
LAW-1150	Introduction to Environmental Law	3
RRM-2256	Rangeland Management ¹	3
RRM-2258	Principles of Wildlife Biology ¹	3
RRM-2259	Principles of Fishery Science ¹	3
RRM-2298	Conservation Biology	3
Credits		15
Term II		
GEO-1165	Geographic Information Systems	3
RRM-2264	Forest Management	3
RRM-2291	Wildlife Habitat Management ¹	3
RRM-2293	Fish Habitat Management ¹	3
RRM-2299	Fire Management ¹	3
Credits		15
Total Credits		60

¹ Indicates courses with a field study component

Special note about field studies: Students are off-campus completing field studies during most of September and April. Due to scheduling conflicts it is extremely difficult to take Year 1 and Year 2 courses simultaneously.

Students are advised to complete all Year 1 courses before proceeding to Year 2, and all Year 2 courses before enrolling in Year 3 courses (for related post-diploma certificate or degree programs).

In the Fall term, field studies are in September, while in the Winter term, field studies are scheduled in April. Field studies schedules are dependent on many variables and may require students to participate on weekends or on statutory holidays. All program field studies are mandatory.

Students will be expected to complete non-credit environmental field techniques courses as part of the requirement to complete the program. Courses such as bear safety, firearms safety, pleasure craft operator's card and boat operations will occur as part of field trip season activities.

Students will be responsible for the fees associated with these courses. Prior valid training possessed by students will be considered for recognition.

TRANSFERS

Interested students can obtain further information on these partnerships from the School of Environmental Science Chair. Students wishing to continue studies at other institutions must meet the entrance requirements of that institution.

Athabasca University

Graduates of Lethbridge College's Renewable Resource Management diploma program are eligible to receive 30 to 60 credits (dependent on the university program) towards a number of post-diploma bachelor's degrees in Commerce, Management, Human Resources/Labour Relations, Computer and Information Systems, and Science at Athabasca University. To explore options, please visit www.athabascau.ca (<https://www.athabascau.ca/>)

Griffith University, Australia

Graduates of Lethbridge College's Renewable Resource Management diploma program are eligible to receive transfer credit towards the completion of a Bachelor of Environmental Science at Griffith University, in Australia. For more information, please visit <https://www.griffith.edu.au/credit> (<https://www.griffith.edu.au/credit/>)

Lethbridge College

Graduates of the Renewable Resource Management diploma at Lethbridge College may be eligible for up to 60 credits towards a Bachelor of Ecosystem Management or a Bachelor of Applied Science in Conservation Enforcement at Lethbridge College. Details regarding these programs can be found in the Academic Calendar or on the Lethbridge College website (<https://lethbridgecollege.ca/>).

Northern Alberta Institute of Technology (NAIT)

Graduates of Lethbridge College's Renewable Resource Management diploma program with a minimum GPA of 2.7, or a B- grade, on standard grading scales will be conditionally accepted into the BTech (Bachelor of Technology) degree program. Applicants for transfer of credit shall complete all of the requested application procedures of NAIT including, but not limited to, written statements outlining personal objectives, career goals, letters of reference, work experience and community involvement, and such other information as may be requested and used by NAIT to determine whether the applicant complies with the requirements as set out or intended.

Royal Roads University

Graduates of Lethbridge College's Renewable Resource Management diploma program are eligible for full block transfer into the Bachelor of Science in Environmental Practice or the Bachelor of Arts in Environmental Practice at Royal Roads University. Graduates may also receive full block transfer to the Bachelor of Science in Environmental Science, with the completion of two additional university-level math courses (calculus or linear algebra preferred) and two additional university-level chemistry courses on arrival.

University of Alberta

Graduates of Lethbridge College's Renewable Resource Management diploma program are eligible to receive up to 60 credits towards a Bachelor of Science (Environmental and Conservation Sciences), Land Reclamation major at the University of Alberta. In order to receive the total allowable credits, students must present all diploma program requirements.

University of Lethbridge

Graduates of Lethbridge College's Renewable Resource Management diploma program with a minimum 2.75 GPA are eligible for admission into the University of Lethbridge's Post-Diploma Bachelor of Science (Environmental Science) program. Admitted students will be third-year degree level students in the university's Faculty of Arts and Science in all respects. For more information, please see an academic advisor and visit www.uleth.ca (<https://www.uleth.ca>)

University of Regina

Lethbridge College's Renewable Resource Management diploma graduates are eligible to receive up to 60 credits towards the Bachelor of Science (Environmental Biology) at the University of Regina. Students must have a minimum graduating average 60% and a passing grade in Pre-Calculus 30 or equivalent. For more information, please visit <http://urconnected.uregina.ca/> (<https://calendar.lethbridgecollege.ca><https://urconnected.uregina.ca/>)

CAREERS

Our diploma program will prepare you for work in a wide variety of environmental and natural resource management career opportunities, including employment as:

- Biological Technician
- Environmental Technician
- Field Research Technician
- Resource Management Technician

Employment is found with government agencies, private environmental organizations, environmental (non-governmental) consulting firms, and natural resource industries (oil, gas, mining, and forestry).