

# LAKEHEAD UNIVERSITY MULTILATERAL AGREEMENT

# NATURAL RESOURCES MANAGEMENT

## *Offered at the Thunder Bay Campus*

Modern forestry is the science, business and art of managing and conserving forests and associated lands for continuing environmental, economic and social benefit. The practice of environmental management through forestry involves the balancing of forest resources for optimum yields of wood products, abundant wildlife, plentiful supplies of pure water, attractive, scenic, and recreational environments in both woodland and urban settings, and a variety of related services and products.

The main goal of the Faculty of Natural Resources Management at Lakehead University is to advance environmental management through forestry in Ontario, Canada and globally by educating professionals who have the skills and desire to manage sustainable forests for the optimum benefit of society and the environment.

## College Transfer Opportunities

The Natural Resources Management program is divided into two separate degree options: **Honours Bachelor of Science in Forestry (HBScF)** or the **Honours Bachelor of Environmental Management (HBEM)**. Graduates of a two-year Natural Resources or Forestry Technician or Technology Diploma program (or other allied programs) are eligible for admission consideration to year 3 of either the Honours Bachelor of Science in Forestry (HBScF) program or the Honours Bachelor of Environmental Management (HBEM) program. Admitted students to either program will be required to complete a four-week Summer Transition Program at Lakehead University prior to their September start.

## **Honours Bachelor of Science in Forestry**

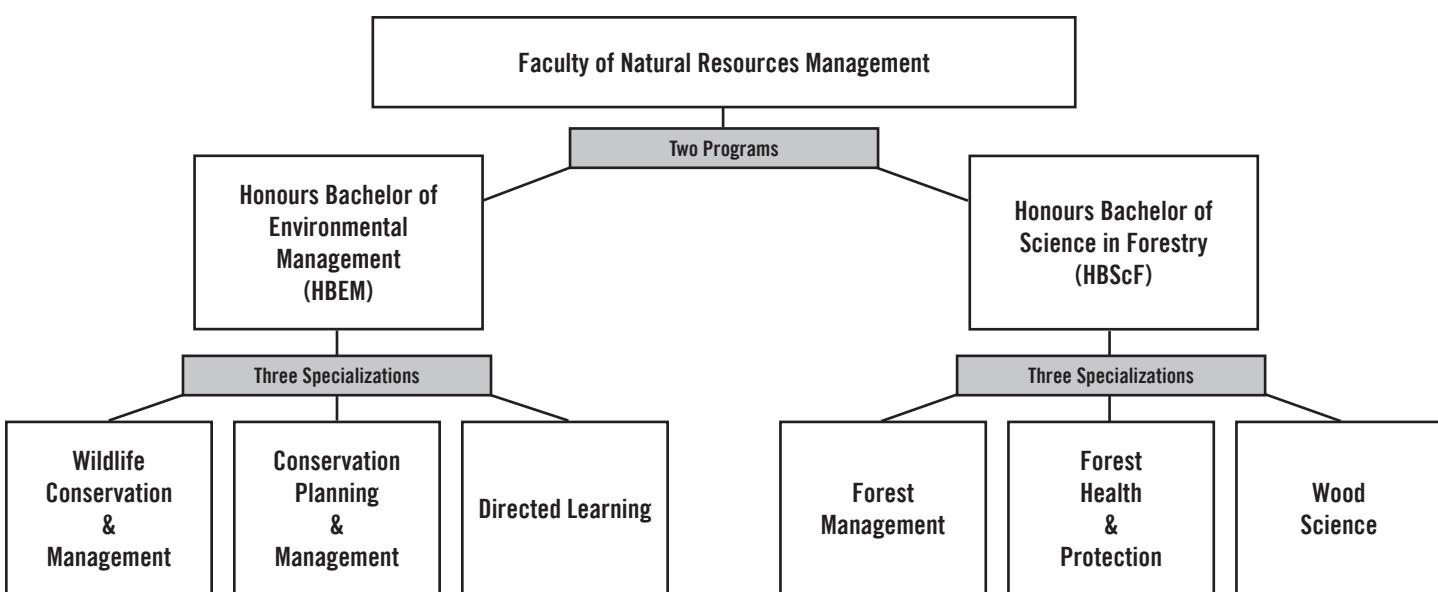
### **(4-year HBScF or 5-year HBScF Co-op)**

Our professional programs (non-co-op and co-op) draw upon the knowledge and experience of many disciplines and other professions. Challenging courses in biology, mathematics and social sciences are important components. Communication, business and team building skills help to connect the academic theory through to implementation in practice. The program is flexible enough to allow students to pursue individual areas of interest while still meeting professional accreditation standards. Students work in close contact with staff and faculty to develop professional competence through the analysis and presentation of projects in actual Canadian forest resources development and sustainable forest management situations. You will have the opportunity to select a specialization in Forest Management, Forest Health and Protection, or Wood Products & Marketing.

## **Honours Bachelor of Environmental Management**

### **(4-year HBEM or 5-year HBEM Co-op)**

As an Environmental Management student, you will obtain a sound understanding of natural processes in environmental ecosystems, including a strong background in forest knowledge, communication skills in writing and speaking, and practical technical experience. With the opportunity to focus your study within a specialization, you will delve deeper into the areas of Wildlife Conservation and Management, Conservation Planning and Management, or maximize your elective opportunities through a Sustainable Land Use option.



## Enrolment Services - Undergraduate Admissions

955 Oliver Road, Thunder Bay, ON P7B 5E1  
(807) 343-8500 (800) 465-3959 [admissions@lakeheadu.ca](mailto:admissions@lakeheadu.ca)  
updated November 2015

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## Summer Transition

Students admitted to either the Honours Bachelor of Science Forestry or the Honours Bachelor of Environmental Management program will be required to attend and successfully complete a 4-week summer transition program. The summer transition program usually starts the last week of July. All students are required to take three courses: Natural Resources Management (NRMT) 2710, NRMT 2711, and NRMT 2712; Natural Resource Science A, B and C. In addition, depending on the student's background and a review by a faculty review committee, additional course(s) in specific areas may be assigned.

## Accreditation & Professional Associations

The Honours Bachelor of Science in Forestry programs (non-co-op and co-op) are nationally accredited by the Canadian Forestry Accreditation Board. This signifies that graduates of these programs meet the academic requirements for membership in provincial professional forest associations in British Columbia, Alberta, Ontario, Quebec, New Brunswick, Nova Scotia and Newfoundland.

Graduates from our professional HBEM and HBScF programs (all streams; however, some streams will require a few additional courses) may seek registration with the Ontario Professional Foresters Association (OPFA) to become a Registered Professional Forester (RPF). HBEM Wildlife stream students gain the academic requirements to apply for the designation as Certified Wildlife Biologists.

### A Diverse Range of Study

Natural Resources Management students take courses in many different areas including:

- Management Planning ◆ Fish and Wildlife
- Integrated Forest Resources Management
- Regulation and Scheduling ◆ Policy and Legislation
- Soils / Hydrology ◆ Pathology ◆ Entomology
- Fire Management and Ecology ◆ Dendrology
- Ecology / Silvics ◆ Silviculture
- Genetics / Tree Improvement ◆ Remote Sensing
- Photogrammetry ◆ Geographic Information System
- International Forestry ◆ Wood Technology / Utilization
- Harvesting / Mechanization / Roads ◆ Economics
- Business Principles ◆ Mensuration
- Statistics / Experimental Design / Research Methods
- Supervision / Teamwork / Communication / Professional Practice ◆ Operations Research

## Admission Requirements

Applicants who have completed a two-year Natural Resources or Forestry Technician or Technology Diploma program (or another allied program) with a minimum 70% (GPA = 3.0 on a 4.0 point scale, B Grade) in the final year of their program are eligible for admission consideration to year 3 of either the Honours Bachelor of Science in Forestry (HBScF) program, co-op or non co-op, or the Honours Bachelor of Environmental Management (HBEM) program, co-op or non co-op.

Applicants with two or more years of relevant career experience acquired after the completion of a diploma with a minimum 65% (GPA = 2.5 on a 4.0 point scale, C+ Grade) in the final year of their program are eligible for admission consideration.

## Select Allied Programs

Lakehead University welcomes qualified college graduates from across Canada. The following list represents select college programs deemed ideal for this transfer opportunity; however, other two- or three-year related programs will be evaluated on an individual basis for transferability options.

- **Sault College:** Forest Conservation Technician, Fish & Wildlife Conservation Technician, Environment Technician & Technologist
- **Algonquin College:** Environmental Technician, Forestry Technician
- **Fleming College:** Ecosystem Management Technician & Technologist, Environmental Technician & Technologist, Fish & Wildlife Technician & Technologist, Forestry Technician
- **Confederation College:** Environmental Technician, Forest Ecosystem Management Technician
- **Seneca College:** Environmental Technician & Technologist
- **Fanshawe College:** Environmental Technology
- **Georgian College:** Environmental Technician
- **Loyalist College:** Environmental Technician

For further information on the transfer program contact the Faculty of Natural Resources Management:

**Dr. Ulf Runesson, Dean**  
**Faculty of Natural Resources Management**  
**(807) 343-8784** [ulf.runesson@lakeheadu.ca](mailto:ulf.runesson@lakeheadu.ca)  
[nrm.lakeheadu.ca](http://nrm.lakeheadu.ca)

**Applications to these programs can be made with a 105D Application form obtained from the Ontario Universities' Application Centre (OUAC): [ouac.on.ca](http://ouac.on.ca)**