



Research Master's in Water Sciences

Objectives

The INRS is the only institution in Quebec that offers a Master's in Water Sciences: a degree that is highly-valued on the job market. This program is intended for science and engineering graduates and aims to provide the multidisciplinary knowledge necessary for the study of environmental problems related to water.

Program outline

The curriculum comprises 45 credits. It includes 3 compulsory courses (hydrology, limnology, and mathematics) to ensure that all students have a common knowledge of the main disciplines useful in the study of water. The students also participate in a field course that enables them to apply their skills in a practical context. During the remainder of the program, students are expected to demonstrate their aptitude in research by working on their thesis. Additionally, six elective credits enable them to specialize in a few disciplines of their choice.

Scholarships are available to all registered students.

Detailed description of the program (only available in French):
www.inrs.ca/static/prog/ETE-MaitriseSciencesEau-3672-3748-2.html

Admission requirements

The candidate must have a bachelor's degree, or equivalent, in a relevant discipline of pure or applied sciences, with good academic standing, or alternatively have suitable training and relevant experience. Courses are taught in French, hence knowledge of the language is required.

A professor from the INRS must have accepted to supervise the thesis.



Students' background and employment opportunities

Students in this program come from all fields of natural sciences and engineering, particularly from the fields of biology, chemistry, and geography.

The environment is a fast-growing job sector. Water resources are of major importance for every member of society and, because of this, are of global interest.

Employment opportunities for qualified professionals in this field include jobs in government agencies, in the municipal sector (in water supply and treatment), in organizations dedicated to the protection of aquatic resources, and in consulting engineering firms.

Examples of positions held in 2017 by graduates

Karama Jardak (graduated in 2015)
Project Assistant, Premier Tech

Simon Leclair (graduated in 2015)
Chemist, Coastal Zones Research Institute, New Brunswick

Thomas Morier (graduated in 2015)
Agronomist, GEOSEM

Laurie Beaupré (graduated in 2014)
Biologist, Northern Quebec Wildlife Management Division, Ministère des Forêts, de la Faune et des Parcs du Québec

Ophélie Drevet (graduated in 2014)
Environmental Project Officer, Comité ZIP des Seigneureries

Gabriel Hould Gosselin (graduated in 2014)
Research Associate, Geography Department, Université de Montréal

Christian Saad (graduated in 2014)
Physical Scientist, Canadian Centre for Meteorological and Environmental Prediction, Environment and Climate Change Canada