

Earn a U of M Degree in two years

University College of the North and the University of Manitoba Articulation Agreement NRM Technology Diploma (UCN)/ Bachelor of Environmental Science (U of M).

Graduates of the 2 Year Natural Resource Management Technology Diploma from University College of the North may apply for admission into the Bachelor of Environmental Science program in the Clayton H. Riddell Faculty of Environment, Earth, and Resources at the University of Manitoba. Successful applicants will be granted 60 credit hours on admission towards the completion of the 120 credit hour Bachelor of Environmental Science degree.

PAST GRADUATES:

Michel Leclaire (B. Env. Sc. (Hons.) May 2013) and **Nick Kosmenko** (B. Env. Sc. (Hons.) May 2013) were the first students to have completed their degrees as part of the University College of the North (UCN) transfer agreement with the Riddell Faculty and the University of Manitoba.

Michel completed his NRMT diploma in 2010 focusing on water resources and fisheries conservation. Once at the University of Manitoba, he took part in three different research projects with Fisheries and Oceans. All three projects took him to northern Canada where he worked on population assessments of northern salmonids. These projects not only gave Michel a better understanding of the unique challenges of northern fieldwork, but also showed him the full range of ecosystem complexities that surround environmental research. He is currently working on his Master of Science once again with Fisheries and Oceans at the University of Manitoba in which he is examining the cisco species complex to determine the subtle differences of these species found in Great Bear Lake.



Having completed his NRMT diploma, Nick Kosmenko worked for three summers as a resource officer for Manitoba Conservation in Snow Lake, Thompson, and Flin Flon. He subsequently took a position as a wildlife assistant once again for Manitoba Conservation in Dauphin and then worked for Tolko Industries in The Pas as a forest surveyor. While at the University of Manitoba, Nick was also a Bison athlete in the University's cross country and track and field teams. Upon graduation, he enrolled in the Environmental Science M.Sc. program at the University of Windsor. Nick's research focuses on the ecological, morphometric, physiological, and behavioural traits of fish and their rates of respiration and consumption. This will form the basis of a predictive model to estimate potential trophic impact of introduced species.

Pictured (left): Michel Leclaire. Photo credit Michel Leclaire, (above): Nick Kosmenko, Photo credit Nick Kosmenko.



REQUIRED COURSE WORK AT THE UNIVERSITY OF MANITOBA:

33 credit hours of the following course work:

ENVR 2000	Environmental Science 2 – Issues
ENVR 2810	Environmental Critical Thinking and Scientific Research
ENVR 4110	Critical Thinking and the Environment
ECON 1010	Introduction to Microeconomic Principles
ECON 2390	Introduction to Environmental Economics or ABIZ 2390 - Introduction to Environmental Economics
CHEM 1300	University 1 Chemistry: Structure and Modelling in Chemistry
CHEM 1310	University 1 Chemistry: An Introduction to Physical Chemistry
STAT 2000	Basic Statistical Analysis 2
MATH 1500	Introduction to Calculus
PHYS 1020	General Physics 1
PHYS 1030	General Physics 2 or one of: MATH 1200 - Elements of Discrete Mathematics MATH 1300 - Vector Geometry and Linear Algebra MATH 1700 - Calculus 2

Plus 27 credit hours of course work in an approved Focus area and electives to total 120 credit hours for the program. Please contact a student advisor in the Riddell Faculty Dean's Office for more information.

Note: students who have not taken Math 40S (pre-Calculus) minimum 60% required, Biology 40S, Chemistry 40S and Physics 40S in High School will be required to complete equivalents for prerequisite purposes.

APPLICATION PROCESS

Apply online at umanitoba.ca/student/admissions. Ensure that you carefully read the current Applicant Information Bulletin at the time of application.

Courses completed at recognized institutions other than the U of M must be assessed as exact equivalents and have been completed within the past 10 years for applicants to be considered as having met the requirements.

DEADLINE DATES TO REMEMBER

July 1	Fall (September) Application Deadline
October 1	Winter (January) Application Deadline
March 1	Spring (May) Application Deadline

FOR FURTHER INFORMATION CONTACT:

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umanitoba.ca/faculties/environment/undergraduate/articulation

Clayton H. Riddell Faculty of
Environment, Earth, and Resources



UNIVERSITY
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