NATURAL RESOURCES MANAGEMENT, M.N.R.M.

Natural Resources Institute
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Academic Staff: Please refer to our website (https://umanitoba.ca/environment-earth-resources/faculty-staff/) for academic staff information.

M.N.R.M. Program Information

The Master or Natural Resources Management program in natural resources management combines a broad commitment to sustainability with development of well-focused, practical expertise.

Admission Information

Admission to the Faculty of Graduate Studies

Application and Admission Procedures are found in the Academic Guide (https://catalog.umanitoba.ca/graduate-studies/academic-guide/application-admission-registration-policies/).

Admission requirements for Master's students are found in the Master's Degrees General Regulations (https://catalog.umanitoba.ca/graduate-studies/academic-guide/masters-degrees-general-regulations/#Admission_FGSMasters) section of the Guide.

Application Information

Students should complete and submit their online application with supporting documentation by the date indicated on the M.N.R.M. program of study (https://umanitoba.ca/explore/programs-of-study/natural-resources-management-mnrm/) page.

Degree Requirements

Program Requirements

Students follow an individual study plan that includes a minimum of 21 credit hours (12 credit hours of required course work plus 9 credit hours of elective courses), with the option of up to 30 credit hours, plus a thesis or practicum.

The compulsory courses for the MNRM thesis and practicum streams are:

- NRI 7222 Human Dimensions of Natural Resources and Environmental Management (3)
- NRI 7232 Ecological Dimensions of Resource and Environmental Management (3)
- NRI 7182 Sustainability, Economics, and Natural Resources (3)

In addition:

Thesis Stream

- NRI 7262 Master's Thesis Research Seminar (3)

or

Practicum Stream

- NRI 7380 Project Management in Natural Resources and Environmental Management (3)

The central academic agenda of the required set of courses includes: Assessment of the theoretical foundations and practical applications of progress toward sustainable management of natural resources; understanding of ecosystems as self-organizing and responding systems; examination of conventional and alternative social arrangements, including institutions and tools of governance, as a means of improving human well-being and environmental responsibility; and exposure to theories of resource and environmental management processes and tools.

Expected Time to Graduate: 2 years

Progression Chart

Course	Title	Hours
Year 1		
GRAD 7300	Research Integrity Tutorial	0
GRAD 7500	Academic Integrity Tutorial	0
Select 12 credit hours from the following required courses:		12
NRI 7222	Human Dimensions of Natural Resources and Environmental Management	
NRI 7232	Ecological Dimensions of Resource and Environmental Management	
NRI 7262 or NRI 7380	Master's Thesis Research Seminar or Project Management in Natural Resources and Environmental Management	
NRI 7182	Sustainability, Economics, and Natural Resources	
Select 9 to 18 credit hours from the following; or, other U of M courses at the 3000 level or above: [1]		9-18
NRI 7160	Projects in Natural Resources Management 1	
NRI 7170	Projects in Natural Resources Management 2	
NRI 7110	Field Seminar	
NRI 7180	Sustainable Development and Natural Resources	
NRI 7190	Natural Resources Administration and Law	
NRI 7200	The Role of Information Management in Sustainable Resource Use	
NRI 7242	Resource and Environmental Management Policy	
NRI 7252	Environmental Management Practice	
NRI 7290	Environmental Impact Assessment	
NRI 7302	Conservation Biology and Biodiversity Management	
NRI 7320	Environmental Risk and Hazards	
NRI 7330	Water Resources: Analysis, Planning and Management	

NRI 7340	Environmental Justice and Ecosystem Health	
NRI 7350	Study Design and Quantitative Methods for Resource and Environmental Management	
NRI 7360	Qualitative Field Methods for Community-based Resource and Environmental Management	
NRI 7370	Sustainable Livelihoods, Food Resources and Community Food Security	
NRI 7070	Readings in Natural Resources Management 1	
NRI 7080	Readings in Natural Resources Management 2	
	Hours	**21-30**
Year 2		
GRAD 7000 or GRAD 7030	Master's Thesis or Master's Practicum	0
GRAD 7020	Master's Re-registration	0
	Hours	**0**
	Total Hours	**21-30**

[1] At least 6 of the 9-18 NRI course credit hours must come from this list.

Most students do not complete all courses in the first year. The thesis committee is set up and the proposal meeting takes place.

The proposal, first draft and oral defence meetings are required. The proposal meeting is held in year 1 followed by data collection, analysis and writing in year 2 leading to a first draft meeting followed by the oral defence document. For more information on the thesis process, please refer to the MNRM student Handbook at the Natural Resources Institute.

Registration Information

Students should familiarize themselves with the Faculty of Graduate Studies 'GRAD' courses applicable to their program (https://catalog.umanitoba.ca/graduate-studies/registration-information/). If you have questions about which GRAD course(s) to register in, please consult your home department/unit.

All returning and newly admitted students to the Natural Resources Institute are required to see their faculty advisor to complete their Degree Requirement form prior to attempting to register. Appointments can be made by calling the general office. Only courses that have been approved by the faculty advisor will be credited to a student's program.

Regulations

Students must meet the requirements as outlined in both Supplementary Regulation and BFAR documents as approved by Senate.

Supplementary Regulations

Individual units may require specific requirements above and beyond those of the Faculty of Graduate Studies, and students should consult unit supplementary regulations (https://umanitoba.ca/graduate-studies/supplementary-regulations/) for these specific regulations.

Bona Fide Academic Requirements (BFAR)

Bona Fide Academic Requirements (BFAR) (https://catalog.umanitoba.ca/graduate-studies/academic-guide/academic-performance-general/#BFAR) represent the core academic requirements a graduate student must acquire in order to gain, and demonstrate acquisition of, essential knowledge and skills.

All students must successfully complete:

- GRAD 7300 prior to applying to any ethics boards which are appropriate to the student's research or within the student's first year, whichever comes first; and
- GRAD 7500 within the first term of registration;

unless these courses have been completed previously, as per Mandatory Academic Integrity Course (https://catalog.umanitoba.ca/graduate-studies/academic-guide/academic-performance-general/#GRAD7500) and Mandatory Research Integrity Online Course (https://catalog.umanitoba.ca/graduate-studies/academic-guide/academic-performance-general/#GRAD7300).

Students must also meet additional BFAR requirements (https://umanitoba.ca/graduate-studies/student-experience/core-academic-requirements/#additional-requirements-by-program) that may be specified for their program.

General Regulations

All students must:

- maintain a minimum degree grade point average of 3.0 with no grade below C+,
- meet the minimum and not exceed the maximum course requirements, and
- meet the minimum and not exceed the maximum time requirements (in terms of time in program and lapse or expiration of credit of courses).