Natural Resource Sciences

Department Information

- **Program Director:**
  Shawn DeKeyser, Ph.D.
- **Email:**
  Edward.Dekeyser@ndsu.edu
- **Department Location:**
  School of Natural Resource Sciences, Hultz 202
- **Department Phone:**
  (701) 231-5368
- **Department Web Site:**
  www.ndsu.edu/snrs/ (http://www.ndsu.edu/snrs/)
- **Application Deadline:**
  International applications are due May 1 for fall semester and August 1 for spring semester. Domestic applicants should apply at least one month prior to the start of classes.
- **Credential Offered:**
  Ph.D., M.S., M.N.R.M.
- **English Proficiency Requirements:**
  TOEFL iBT 71, IELTS 6; Duolingo 105

To qualify for the M.N.R.M. degree, the candidate must satisfactorily complete a minimum of 30 semester credits of course work in the selected curriculum. This can be done in person or online.

To qualify for the M.S. degree, the candidate must satisfactorily complete a minimum of 30 semester units in the selected curriculum, an oral examination, and a thesis or comprehensive study paper.

To qualify for the Ph.D. degree, the candidate must satisfactorily complete a course of study of no less than 90 semester credits (including 30 semester credits from the M.S. degree or equivalent), both a written and an oral preliminary examination, a research-based dissertation, and an oral final examination on the dissertation. In addition, the candidate presents final public seminar based on the dissertation research. For more specific information, please refer to the School of Natural Resource Sciences website.

Courses are offered by the School of Natural Resource Sciences and other participating academic units. These include:

- Agribusiness and Applied Economics
- Agricultural and Biosystems Engineering
- Agricultural Systems Management
- Anthropology
- Biology
- Botany
- Civil Engineering
- Communication
- Computer Science
- Economics
- Entomology
- Geosciences
- Industrial and Manufacturing Engineering
- Mathematics
- Microbiology
- Philosophy
- Plant Pathology
- Plant Sciences
- Political Science
- Range Science
- Sociology
- Soil Science

- Statistics
- Zoology

Master of Science

Plan A - Master's Thesis Option

Code	Title	Credits
Entomology, Natural Resource Management, Rangeland Ecology and Wildlife Management, and Soil Science Sub-plans		
Electives (must be didactic credits and approved by advisor)		21
Master's Thesis (ENT 798, NRM 798, RNG 798, SOIL 798)		9
Total Credits		**30**

Code	Title	Credits
Precision Agriculture Sub-plan		
ABEN 682	Instrumentation & Measurements	3
ABEN 790	Graduate Seminar	1
PAG 654	Applications of Precision Agriculture	3
Electives (must be approved by advisor and include at least 10 didactic credits)		17
PAG 798		6
Total Credits		**30**

Plan B - Master's Paper Option

Code	Title	Credits
Entomology, Natural Resource Management, Rangeland Wildlife and Ecology Management, and Soil Science Sub-plans		
Emphasis Area Courses (ENT, NRM, RNG or SOIL)		5
Electives (must be approved by advisor and include at least 21 didactic credits)		21
Master's Paper (ENT 797, NRM 797, RNG 797, SOIL 797)		4
Total Credits		**30**

Code	Title	Credits
Precision Agriculture Sub-plan		
ABEN 790	Graduate Seminar	1
PAG 654	Applications of Precision Agriculture	3
Electives (must be approved by advisor and include at least 18 didactic credits)		24
PAG 797		2
Total Credits		**30**

Emphasis Areas:

- Entomology
- Soil Science
- Natural Resource Management
- Rangeland Ecology and Wildlife Management

Minimum credit requirements are listed below. Specific courses shall be decided by the students' advisor and committee.

Code	Title	Credits
Master's to Ph.D.		**60**
Didactic coursework (700-789, 791; 800-889, 891)		15
Additional Courses		
Doctoral Dissertation (899)		

Code	Title	Credits
Bachelor's to Ph.D.		**90**
Didactic coursework (601-689,691; 700-789, 791; 800-889, 891)		27

15 must be at the 700 or 800 level	
Additional Courses	
Doctoral Dissertation (899)	