

## NATURAL RESOURCE MANAGEMENT SAMPLE CURRICULUM

2010-2011

### Resource Information Science Emphasis (Optional)

#### FRESHMAN

Fall	Winter
MTH 110 Algebra (required Basic Skills course)	MTH 122 College Algebra (required cognate, BS cognate)
BIO 120 General Biology I (required cognate)	BIO 121 General Biology II (required cognate)
CHM 109 Introductory Chemistry, or CHM 115 Principles of Chemistry I (required cognate)	GEO 111 Physical Geology (required cognate)
WRT 150 Strategies in Writing (required skill course)	NRM 150 Introduction to Natural Resources (required core)

#### SOPHOMORE

Fall	Winter
NRM 250 Resource Measurements and Maps (required core)	NRM 395 GIS App.
NRM 281 Principles of Soil Science (suggested core)	STA 215 Introductory Applied Statistics (required cognate)
BIO 215 General Ecology (required cognate)	CIS 231 Problem Solving Using Spreadsheets
CIS 150 or CS 160	CIS 233 Microcomputer Database Management
Gen Ed Courses	

#### JUNIOR

Fall	Winter
Take Jr. Year Writing Exam or ENG 305 (required Basic Skill)	NRM 320 Intro. to Resource Systems (required core, BS cognate)
NRM 450 Applied Spatial Analysis of Natural Resources	Gen Ed Courses
Cognate courses	Gen Ed Courses
NRM core electives	Cognate courses
	NRM core electives

#### SENIOR

Fall	Winter
BIO 460 Terrestrial Ecosystem Ecology (required core, BS cognate)	NRM 495 Capstone: Trends in NRM (required core)
Cognate courses	Cognate courses
NRM core electives	NRM core electives

#### KEY

required cognate - you must take this class  
required core - you must take this class

suggested cognate - we strongly recommend that you take this class  
suggested core - we strongly recommend that you take this class

General education classes, cognates, and NRM elective classes should be taken to complete your schedule. You may want to consider taking the Earth and the Environment Theme; be advised that BIO 105 will NOT count as a cognate class. Consult with your advisor about the other choices in that category.

#### OPTIONAL CORE COURSES

BIO 408	Wildlife Management (check with your advisor)	NRM 140	The Climatic Factor
NRM 380	Special Topics (also NRM 180, 280, 480)	NRM 240	Principles of Climatology
NRM 330	Environmental Pollution	NRM 399	Readings in Resource Management
NRM 420	Wildland Recreation Mgmt.	NRM 451	Natural Resource Policy
NRM 452	Watershed and Wetland Management	NRM 462	Forest Ecosystem Management
NRM 481	Soils and Soil Classification	NRM 484	Land Reclamation
NRM 490	Internship in Resource Management	NRM 499	Research in Resource Management

Updated: 2/4/10

<p style="text-align: center;"><b>REQUIREMENTS FOR A NATURAL RESOURCES MANAGEMENT MAJOR</b> <b>Resource Information Science Emphasis (Optional)</b></p>
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**CORE (NRM) CLASSES**

You must take and pass a minimum of 40 credits of NRM core classes with a GPA of 2.0 or better.

BIO 460 counts as a core (NRM) class.

You should consult with your advisor for guidance as to which classes to take.

**COGNATE CLASSES**

You must take and pass a minimum of 40 credits of classes in cognate areas (they may NOT have an NRM prefix).

There are 40 credits of cognates required in the curriculum:

MTH 122 College Algebra	STA 215 Introductory Applied Statistics
BIO 120 General Biology I	BIO 121 General Biology II
BIO 215 General Ecology	GEO 111 Physical Geology
CHM 109 Introductory Chemistry, or CHM 115, Principles of Chemistry I	CIS 150 or 160 Computer Science
CIS 231 Problem Solving Using Spreadsheets	CIS 233 Microcomputer Database
Management	

**SUPPLEMENTAL WRITING SKILLS (SWS)**

WRT 150 should be taken before your first SWS class. You must pass the Junior-level Writing Exam or you must complete WRT 305 with a C (not a C-) or better. Sign up early for the Exam. You **SHOULD** complete this requirement **BEFORE** you take your second SWS class.

Two SWS (supplemental writing skills) classes must be completed. Only one can have a NRM prefix (at this time NRM 484 is an SWS class). BIO 460, a required class, is also an SWS class. Please check the schedule carefully to ensure that these classes are being taught as SWS classes (occasionally they do not have an SWS designation).

**GENERAL**

Most of the classes should be taken in the order suggested on the other side because they are prerequisites to NRM classes.

Most of the NRM classes are offered only once each year.

NRM classes are generally not offered during the summer. You are encouraged to obtain a natural resources management job, an internship (NRM 490), conduct a research project (NRM 499), or take general education and elective classes during the summer.

NRM 180, 280, 380 and 480 are designations for a special topics class. You may take multiple classes with an NRM X80 designation because each class will cover a different topic.

No more than 3 credits of NRM 499 (research) will be counted toward your major.

No more than 5 credits of NRM 490 (internship) and NRM 499 (research) total can be applied to the major.

BIO 417 and BIO 418 are field trip classes. You **MAY** be able to count these classes as core classes (NRM credit) but you **MUST** check with your advisor **BEFORE** you take the class. No more than 6 credits can be applied to the major.