

NATURAL RESOURCE MANAGEMENT SAMPLE CURRICULUM
2009-2010
Environmental 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)
WRT 150 Strategies in Writing (required skill course)	GEO 111 Physical Geology (required cognate)
Gen Ed Courses	NRM 150 Introduction to Natural Resources (required core)
	Gen Ed Courses

SOPHOMORE

Fall	Winter
NRM 250 Resource Measurements and Maps (required core)	STA 215 Introductory Applied Statistics (required cognate)
CHM 115 Principles of Chemistry I (required cognate)	CHM 116 (required cognate)
BIO 215 General Ecology (required cognate)	Gen Ed Courses
Gen Ed Courses	

JUNIOR

Fall	Winter
NRM 281 Principles of Soil Science (required core)	NRM 320 Intro. to Resource Sys. (required core, BS cognate)
NRM 451 (required core)	NRM 330 Environmental Pollution (required core)
Take Jr. Year Writing Exam or ENG 305 (required Basic Skill)	Gen Ed Courses
NRM 395 GIS App. in Resource Management (suggested core)	Gen Ed Courses
Cognate courses	Cognate courses
NRM core electives	NRM core electives

SENIOR

Fall	Winter
BIO 460 Terrestrial Ecosystem Ecology (required core, BS cognate)	NRM 495 Capstone: Trends in NRM (required core)
NRM 452 (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 399 Readings in Resource Management	NRM 420 Wildland Recreation Mgmt.
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	

REQUIREMENTS FOR A NATURAL RESOURCES MANAGEMENT MAJOR
Environmental Science Emphasis (Optional)

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 32 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 115 Principles of Chemistry I	CHM 116 Principles of Chemistry II

Select the remaining 8 hours from the following categories

BIO 338 Environmental Ethics	BIO 357 Environmental Microbiology
BIO 440 Limnology	BIO 450 Stream Ecology
BIO 470 Conservation Biology	CHM 221 Survey of Analytical Chemistry
CHM 222 Quantitative Analysis	CHM 231 Intro. Organic Chemistry
CHM 232 Biological Chemistry	CHM 321 Environmental Chemistry
CHM 322 Environmental Chemical Analysis	GPY 307 Intro. to Computer Mapping/GIS
GEO 112 Earth History	GEO 320 Geomorphology
GEO 430 Oceanography	GEO 440 Geohydrology
GEO 445 Introduction to Geochemistry	OSH 414 Environmental Safety/Health Regulations
PHY 200 Physics for the Life Sciences	

You should consult with your advisor for guidance as to which classes to take. This is particularly important if you plan to attend graduate school.

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 ENG 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.