

NATURAL RESOURCE MANAGEMENT SAMPLE CURRICULUM
2012-2013
Environmental Science Emphasis (Optional)

FRESHMAN

Fall	Winter
MTH 110 Algebra (prerequisite 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 general education course)	GEO 111 Physical Geology (required cognate)
Gen Ed Courses	NRM 150 Introduction to Natural Resources (required core)

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	ECO 211 Microeconomics (required cognate)

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)
Gen Ed Courses	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 - SWS)
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

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.

NRM CORE ELECTIVE OPTIONS

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 395	GIS Applications in Resource Management	NRM 399	Readings in Resource Management
NRM 420	Wildland Recreation Mgmt.	NRM 450	Applied Spatial Analysis of Natural Resources
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: 1/25/12

REQUIREMENTS FOR A NATURAL RESOURCES MANAGEMENT MAJOR Environmental Science Emphasis (Optional)
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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 35 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
ECO 211 Microeconomics	

Select the remaining 5 hours/credits from the following courses:

BIO 338 Environmental Ethics	BIO 357 Environmental Microbiology
BIO 399 Selected Experiences in Biology	BIO 440 Limnology
BIO 450 Stream Ecology	BIO 470 Conservation Biology
BIO 490 Internship	BIO 499 Research in 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.

Two SWS (supplemental writing skills) classes must be completed. Only one can have a NRM prefix. NRM 495, 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 399 (readings) will be counted towards the major.

No more than 3 credits of NRM 499 (research) will be counted towards the 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.