

²NRM majors must complete a total of **36 credits of NRM courses** with a GPA of 2.0 or better. Please see reverse for additional NRM options.

³Students should consider adding a complementary minor or certificate – speak with an academic advisor to discuss options.

Declaring the Natural Resources Management Major:

1. Log into myBanner from the GVSU homepage
2. Once logged in select “Student,” “Student Records,” and then “Change Major”
3. Click on the “Change Major 1/Program” box
4. Click on the down arrow in the box next to “New Major 1/Program,” from here scroll down and choose “Natural Resource Management-BS”
5. Click “Submit” and then “Change to New Program”

General Education Overlap

General Education Categories fulfilled by the Natural Resources Management Major:	
Life Sciences with Lab: BIO 120	Physical Sciences with Lab: CHM 109 or CHM 115
Mathematical Sciences: MTH 122, 123, 125, 201 or STA 215	Social and Behavioral Sciences: ECO 211
Issues: NRM 451, ECO 345	

Natural Resources Management Cognate Requirements

There are a minimum of 32 credits of cognates required in the curriculum:

MTH 122 College Algebra OR MTH 123 Trigonometry OR MTH 125 Survey of Calculus OR MTH 201 Calculus I	BIO 460 Terrestrial Ecosystem Ecology CHM 109 Introductory Chemistry or CHM 115 Principles of Chemistry I
BIO 120 General Biology I BIO 121 General Biology II BIO 215 Ecology	ECO 211 Microeconomics ECO 345 Environmental and Resource Economics STA 215 Introductory Applied Statistics

Natural Resources Management Competency Requirements

- NRM 150 – Introduction to Natural Resources Management (3 cr)
- NRM 250 – Resource Measurements and Maps (3 cr)
- NRM 281 – Principles of Soil Science (4 cr)
- NRM 451 – Natural Resource Policy (3 cr)
- NRM Capstone (495 or 496+497) (4 cr)

Analytical – Choose one course from:

- NRM 320 – Introduction to Resource Systems (prerequisites: BIO 215 and MTH 122)
- NRM 395 – GIS Applications in Resource Management (prerequisites: GPY 307 or NRM 250)

Upper Level Resource Management Options – choose at least 10 credits from the following:

- NRM 330 – Environmental Pollution (3 cr) (prerequisites: BIO 215 and MTH 122)
- NRM/BIO 386 – Ecological Restoration and Management (4 cr) *NRM students should choose the NRM option when registering* (prerequisites: BIO 215)
- NRM/BIO 408 – Wildlife Management (4 cr) *NRM students should choose the NRM option when registering* (prerequisites: BIO/NRM 308)
- NRM 420 – Wildland Recreation Management (3 cr)
- NRM 452 – Watershed and Wetland Management (4 cr) (prerequisites: MTH 122, NRM 150, NRM 250)
- NRM 462 – Forest Ecosystem Management (4 cr) (prerequisites: NRM 150, NRM 250)

Natural Resources Management Electives

NRM majors must complete a total of at least 36 credits of NRM courses with a GPA of 2.0 or better. Choose electives from the list below or choose additional Upper Level Resource Management options.

NRM 240 Principles of Climatology (4 cr)	NRM 450 Applied Spatial Analysis of Natural Resources (3 cr) (prerequisites: NRM 395 or GPY 307)
NRM 308 Wildlife Ecology (4 cr) (prerequisites: BIO 215)	NRM 486 Advanced Restoration Ecology (3 cr) (prerequisites: NRM/BIO 386)
NRM 380 Special Topics (also NRM 180, 280, 480)	NRM 490 Internship in Resource Management
NRM 399 Readings in Resource Management	NRM 499 Research in Resource Management
NRM 407 NRM and Society: Study Abroad	
NRM 417 NRM International Field Studies	

Notes:

- 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.