BS in Natural Resource Conservation & Management  
Western Carolina University  
(Curriculum Effective Fall 2010)

**NRCM Core Requirements (54 hours)**
BIOL 140 (4) – Principles of Biology I  
BIOL 141 (4) – Principles of Biology II  
CHEM 139 (4) – General Chemistry I or CHEM 140 (4) – Adv General Chemistry  
ECON 310 (3) – Natural Resources Economics (prerequisite required)  
GEOG 150 (3) – Environmental Geography  
GEOG 324 (4) – Remote Sensing  
GEOL 305 (4) – Soils and Hydrology  
MATH 146 (4) – Precalculus  
NRM 210 (4) – Methods in Natural Resources Management  
NRM 330 (3) – Introduction to Wildlife Management  
NRM 344 (4) – Introduction to Geographic Information Systems  
NRM 351 (3) – Forest Ecology (required for FR concentration) or BIOL 304 (3) – General Ecology  
NRM 371 (3) – Landscape Ecology  
NRM 440 (4) – Integrated Resource Management  
NRM 442 (3) – Natural Resources Policy and Administration

Students must choose one of the areas of concentration listed below (18 credits each):

**Forest Resources:**
- **Required courses:**  
  BIOL 254 (4) – Dendrology  
  NRM 351 (3) – Forest Ecology (taken in core)  
  NRM 352 (3) – Forest Resource Measurements  
  NRM 451 (4) – Foundations of Silviculture  
  NRM 452 (4) – Forest Management

- Choose a minimum of 3 credit hours from:  
  NRM 460 (3) – Watershed Management  
  NRM 483 (variable 1-3) – Applications in Forest Management  
  NRM 472 (4) – Geospatial Analysis  
  NRM 444 (4) – Applied GIS  
  BIOL 438 (3) – Ecological Restoration

**Soil and Water Resources:**
- **Required courses:**  
  NRM 320 (3) – Soil Conservation  
  NRM 420 (3) – Soil Genesis and Classification  
  NRM 460 (3) – Watershed Management

- Choose a minimum of 9 credit hours from:  
  NRM 444 (4) – Applied GIS  
  GEOG 300 (4) – Weather and Climate  
  GEOL 302 (3) – Geomorphology  
  GEOL 405 (4) – Hydrogeology  
  GEOL 423 (3) – Contaminated Rivers  
  GEOL 455 (3) – Wetlands

**Geospatial Resource Analysis:**
- **Required courses:**  
  GEOG 424 (4) – Advanced Remote Sensing  
  NRM 444 (4) – Applied GIS  
  NRM 460 (3) – Watershed Management  
  NRM 472 (4) – Geospatial Analysis

- Choose a minimum of 3 credit hours from:  
  NRM 320 (3) – Soil Conservation  
  NRM 420 (3) – Soil Genesis and Classification  
  NRM 352 (3) – Forest Resource Measurements  
  BIOL 375 (3) – Methods in Ecology and Evolution  
  BIOL 441 (4) – Conservation Biology