

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):

<u>Forest Resources:</u>	<u>Soil and Water Resources:</u>	<u>Geospatial Resource Analysis:</u>
<p>Required courses: BIOL 254 (4) – Dendrology NRM 351 (3) – Forest Ecology (<i>taken in core</i>) NRM 352 (3) – Forest Resource Measurements NRM 451 (4) – Foundations of Silviculture NRM 452 (4) – Forest Management</p> <p>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</p>	<p>Required courses: NRM 320 (3) – Soil Conservation NRM 420 (3) –Soil Genesis and Classification NRM 460 (3) – Watershed Management</p> <p>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</p>	<p>Required courses: GEOG 424 (4) – Advanced Remote Sensing NRM 444 (4) – Applied GIS NRM 460 (3) – Watershed Management NRM 472 (4) – Geospatial Analysis</p> <p>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</p>