Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Student ID: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Advisor: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Course** (prerequisite classes; notes)

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| **First Year – Fall Semester** | **CR** | **Sem** |  | **First Year – Spring Semester** | **CR** | **Sem** |
| COMM 101 - Fundamentals of Public Speaking | 2 | FS |  | CHEM 101 & 101L - Intro to Chemistry & Lab **OR**  CHEM 111 & 111L - Princ of Chemistry & Lab (grade of ‘C’ or better in CHEM 101 or MATH 143 or higher; sufficient test score; or permission) | 4 | FS |
| ENGL 101 - Introduction to College Writing | 3 | FS |  |
| MATH 108 - Intermediate Algebra | 3 | FS |  |
| NR 101 - Exploring Natural Resources | 2 | F |  |
| ^ISEM 101 - Integrated Seminar **OR**  ^General Education Requirement | 3 | FS |  | MATH 143 - Pre-calculus (MATH 108) | 3 | FS |
|  | ^ENGL 102 - College Writing & Rhetoric (ENGL 101 or equivalent) | 3 | FS |
| ^General Education Requirement | 3 | FS |  |
| **Total Credits** | 16 |  |  | NRS 125 - Intro to Conservation & Nat Resources | 3 | S |
|  |  |  |  | ^General Education Requirement | 3 | FS |
|  |  |  |  | **Total Credits** | 15 |  |

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| **Second Year – Fall Semester** | **CR** | **Sem** |  | **Second Year – Spring Semester** | **CR** | **Sem** |
| BIOL 114 - Organisms & Environments **OR**  BIOL 115 & BIOL 115L - Cells & the Evolution of Life (CHEM 101 or CHEM 111) | 4 | FS |  | FOR/REM 221 or WLF 220 - Principles of Ecology (BIOL 102/L, 114, 115, or PLSC 205; or permission) | 3 | FS |
|  |
|  | FOR 375 - Intro to Spatial Analysis for Nat Res Mgmt (college algebra) | 3 | FS |
| ECON 202 - Principles of Microeconomics | 3 | FS |  |
| NRS 235 - Society & Natural Resources | 3 | F |  | NRS 383 - Nat Res & Ecosystem Service Economics (FOR/NRS 235; and ECON 202 or 272; and MATH 143) | 3 | S |
| STAT 251 - Statistical Methods (MATH 108) | 3 | FS |  |
| ^General Education Requirement | 3 | FS |  |
| **Total Credits** | 16 |  |  | Pre-requisite for future restricted elective | 3-4 | FS |
|  |  |  |  | Pre-requisite for future restricted elective | 3-4 | FS |
| **Students should have contract courses/certificate/ minor choice finalized by the end of the Second Year Spring Semester.** | | |  | **Total Credits** | 15-17 |  |
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| **Third Year – Fall Semester** | **CR** | **Sem** |  | **Third Year – Spring Semester** | **CR** | **Sem** |
| ENGL 207 - Persuasive Writing (ENGL 102) **OR**  ENGL 208 - Personal & Exploratory Writing (ENGL 102) **OR**  ENGL 313 - Business Writing (ENGL 102; Sophomore standing) **OR**  ENGL 316 - Environmental Writing (ENGL 102 or permission) **OR**  ENGL 317 - Technical Writing (ENGL 102; Junior standing or permission) | 3 | FS |  | NRS 387 - Environmental Communication Skills (NRS 125 or permission) | 3 | S |
|  |
|  | NRS 462 - Natural Resource Policy (spring only) **OR**  NRS 364 - Politics of the Environment (fall only) | 3 | S  F |
|  | Pre-requisite for future restricted elective | 3-4 | FS |
|  | Restricted Elective | 3 | FS |
|  | ^General Education Requirement | 3 | FS |
|  | **Total Credits** | 15-16 |  |
|  |  |  |  |
| ^ISEM 301 - Great Issues Seminar (ENGL 102 and Sophomore standing) | 1 | FS |  |  |  |  |
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| NRS 310 - Social Science Methods (STAT 251) | 4 | F |  | **Fall, Spring, or Summer Semester** | **CR** | **Sem** |
| NRS 311 - Public Involvement in Natural Resource Management | 3 | S |  |
|  | NRS 498 - Internship | 1-16 | FS  Su |
| Restricted Elective | 3 | FS |  |
| **Total Credits** | 14 |  |  |  |  |  |

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| **Fourth Year – Fall Semester** | **CR** | **Sem** |  | **Fourth Year – Spring Semester** | **CR** | **Sem** |
| ☼NRS/ENVS 475 – Local & Regional Env. Planning (Jr or Sr standing; or permission) **OR**  Restricted Elective (if you choose to complete NRS 476) | 3 | F | **OR** | ☼\*NRS 476 - Environmental Project Mgmt & Decision Making (NRS 311) **OR**  Restricted Elective (if you choose to complete NRS 475) | 4 | S |
| Restricted Elective | 2-4 | FS |  | Restricted Elective | 2-4 | FS |
| Restricted Elective | 2-4 | FS |  | Restricted Elective | 2-4 | FS |
| Restricted Elective | 2-4 | FS |  | Restricted Elective | 2-4 | FS |
| Restricted Elective | 2-4 | FS |  | Restricted Elective | 2-4 | FS |
| **Total Credits** | 16 |  |  | **Total Credits** | 16 |  |
| \*Senior Experience Course  ☼NRS 490 may fulfill this requirement; course only available through the Semester in the Wild Program | | |  |  |  |  |
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**Natural Resource Science Restricted Electives: 33 credits (at least 15 must be at the 400 level**

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| **2-3 credits in Fire Ecology & Management:** | **CR** | **Sem** |
| FOR 326 - Fire Ecology & Management (FOR/REM 221 or WLF 220) | 3 | F |
| FOR 433 - Fire & Fuel Modeling (FOR 375, GEOG 385, or perm; Co-req: FOR 450) | 2 | S |
| FOR 450 - Fire Behavior (FOR 326, PHYS 100 or 111, Co-req: FOR 433) | 2 | S |
| FOR J454/J554 - Air Quality & Smoke Mgmt. (Rec: FOR 326) | 3 | S |

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| **9 credits in Forestry and Renewable Materials** | **CR** | **Sem** |
| FOR 220 - Dendrology (Pre- or co-req: BIOL 114 or PLSC 205) | 3 | F |
| FOR 275 - Forestry Resource Sampling (Pre- or co-req: FOR 274 and STAT 251) | 2 | S |
| FOR 324 - Forest Regeneration (Prereq: FOR 274, SOIL 205, and SOIL 206) | 3 | F |
| FOR 330 - Forest Soil & Canopy Processes (SOIL 205; MATH 143 or 160; PHYS 100/100L or PHYS 111/111L; and FOR/REM 221 or WLF 220) | 4 | S |
| \*FOR 424 - Silvilcultural Principles & Practices (Sr standing, FOR 274, FOR 220 or other plant ID course, and FOR 330; or perm) | 4 | F |
| FOR 462 - Watershed Science & Mgmt. (MATH 143; PHYS 100 or 111 or HS equiv.) | 3 | S |
| FOR 468 - Forest and Plant Pathology (FOR 320 and FOR 330) | 2 | S |
| FOR 430 - Forest Operations (Prereq: PHYS 100/100L or 111/111L; Pre- or co-req: MATH 144) | 3 | F |
| FOR 431 - Low Volume Forest Roads (Pre- or Co-req: MATH 144; Co-req: FOR 430 or Perm) | 2 | Alt/F  (even) |
| FOR 436 - Cable Systems (Pre- or Co-req: MATH 144; Co-req: FOR 430 or Permission) | 2 | Alt/F  (odd) |
| FOR/NRS 472 - Remote Sensing of the Environment (Rec: MATH 143) | 4 | F |
| RMAT 321 - Properties of Renewable Materials | 3 | F |
| RMAT 436 - Biocomposites (CHEM 101 and RMAT 321; and CHEM 275 or 277) | 3 | F |
| RMAT 438 - Intro. to Lignocellulosic Chemistry (CHEM 101 or 111; and CHEM 275 or 277) | 1 | S |
| RMAT 444 - Primary Products Manufacturing (RMAT 321) | 3 | S |
| RMAT 450 - Biomaterials Deterioration & Protection (Recommended prep: RMAT 321) | 2 | S |
| RMAT 491 - Biomaterial Product & Process Development Lab (ECON 201 or 202; and RMAT/BUS 495) | 2 | S |
| \*RMAT/BUS 495 - Product Development & Brand Management (ECON 201, 202 or 272) | 3 | F |

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| **6 credits in Fishery Resources:** | **CR** | **Sem** |
| FISH 314 - Fish Ecology (FOR/REM 221, WLF 220, or BIOL 314) | 3 | F |
| FISH 315 - Fish Ecology Field Techniques & Mthds (Co-req: FISH 314) | 2 | F |
| FISH 415 - Limnology (STAT 251; and FOR/REM 221, WLF 220, or BIOL 314) | 4 | F |
| \*FISH 418 - Fisheries Mgmt. (FISH 314, STAT 251, BIOL 481) | 3 | F |
| FISH 422 - Concepts in Aquaculture (Pre-or co-req: FISH 481) | 2 | Alt/S  even |
| FISH 424 - Fish Health Mgmt. (BIOL 250) | 2 | Alt/S  odd |
| FISH 430 - Riparian Ecology & Mgmt. (FOR/REM 221, WLF 220, or BIOL 314) | 3 | S |

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| **6 credits in Rangeland Ecology & Management:** | **CR** | **Sem** |
| REM 341 - Systematic Botany (BIOL 114 or BIOL 115; and BIOL 213 or PLSC 205) | 3 | S |
| REM 410 - Principles of Vegetation Measurement (STAT 251 or permission) | 2 | F |
| REM/WLF 411 - Wildland Habitat Ecology & Assessment (Rec co-req; REM 410; Prereq: STAT 251 or permission) | 2 | F |
| REM 440 - Wildland Restoration Ecology (FOR/REM 221, WLF 220, or equivalent) | 3 | S |
| \*REM 456 - Integrated Rangeland Mgmt (Prereq: ENGL 313 or 317; Rec prep: REM 151) | 3 | S |
| REM 459 - Rangeland Ecology (Recommended: FOR/REM 221/WLF 220, ENGL 317, and REM 410 or FOR 274; or permission) | 2 | F |
| REM 460 - Integrating GIS and Field Studies in Rangelands (Co-req: REM 459) | 2 | F |

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| **6 credits in Wildlife Resources:** | **CR** | **Sem** |
| WLF 314 - Ecology of Terrestrial Vertebrates (FOR/REM 221, WLF 220, or BIOL 314) | 3 | F |
| WLF 315 - Wildlife Ecology I Lab (Pre- or co-req: WLF 314) | 2 | F |
| WLF 440 - Conservation Biology (FOR/REM 221, WLF 220, or BIOL 314; or permission) | 3 | F |
| WLF 448 - Fish and Wildlife Pop. Ecology (STAT 251; and MATH 160 or 170) | 4 | F |
| WLF 482 - Ornithology (BIOL 114 and 115) | 4 | S |
| \*WLF 492 - Wildlife Mgmt. (Prereq: WLF 448; Pre- or co-req: WLF 482, FISH 481 or BIOL 483) | 4 | S |

Restricted electives must be discussed with an advisor early in the program in order to select appropriate pre-requisite coursework and establish a feasible degree completion timeline.

**To graduate with a B.S. in Natural Resource Conservation a student must earn an average grade-point average of 2.30 or higher in all NRS courses and complete an approved work experience relevant to their major field.**

**120 total credits are required for the degree**

**40 credits minimum in upper division courses are required**

**30 credits minimum in upper division UI courses in residence are required**