2012-2013 Advising Checklist
Requirements for the **B.S. FOREST RESOURCES** degree
College of Natural Resources

Name: _____ Student ID: _____ Advisor: _____

**Course (prerequisite classes)**

| First Year-Fall Semester | CR | GR | Sem |
|---|---|---|---|
| | | | |
| •Chem 101 Intro to Chem or 111 Princ of Chem | 4 | | FS |
| •Engl 102 College Wrt. and Rhetoric (Eng 101) | 3 | | FS |
| ^•ISEM 101 Integrated Seminar | 3 | | FS |
| NR 101 Exploring Natural Resources | 1 | | F |
| •Math 143 or equivalent test score (Math 108) | 3 | | FS |
| | | | |
| | | | |
| **Total Credits** | 14 | | |

| First Year-Spring Semester | CR | GR | Sem |
|---|---|---|---|
| | | | |
| •Biol 115 Cells & the Evolution of Life (Coreq: Chem 101 or 111) | 4 | | FS |
| For 102 Intro to Forest Management | 1 | | S |
| Phys 100 Fund of Phys or Phys 111 Gen Phys I | 4 | | S |
| •Stat 251 Principles of Statistics (Math 108) | 3 | | FS |
| ^Humanities | 3 | | FS |
| | | | |
| **Total Credits** | 15 | | |

| Second Year-Fall Semester | CR | GR | Sem |
|---|---|---|---|
| | | | |
| •Biol 116 Organisms and Environments (Biol 115 & Chem 101) **OR** PlSc 205 Gen Botany (Biol 115) | 4 | | FS |
| REM 221 Ecology (Biol 102/102L, 115, or 116; or perm) **OR** For 221 | 3 | | F |
| For 274 Forest Measurement & Inventory (Coreq: Stat 251) | 3 | | F |
| For 373 Forest Sampling Methods (Coreqs: For 274 and Stat 251) | 2 | | F |
| ^General Core requirements | | | |
| | | | |
| **Total Credits** | | | |

OR

| Second Year-Spring Semester | CR | GR | Sem |
|---|---|---|---|
| | | | |
| PlSc 205 Gen Botany (Biol 115) **OR** Biol 116 Organisms and Environments (Biol 115 & Chem 101) | 4 | | S |
| For 221 Ecology (Biol 102, or 115, or 116 or PlSc 205) | 3 | | S |
| ^General Core requirements | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| **Total Credits** | | | |

| Second Year-Either Semester | CR | GR | Sem |
|---|---|---|---|
| | | | |
| Econ 202 Principles of Economics | 3 | | FS |
| For/CSS 235 Society and Natural Resources | 3 | | FS |
| Soil 205, 206 The Soil Ecosystem and Lab (Chem 101) | 4 | | FS |

**A student must receive a grade of C or better in each of these indicator courses to register for upper-division courses in forest resources and to graduate with a B.S. Forest Resources:**

| Course | CR | GR | Sem |
|---|---|---|---|
| Math 143 (or equivalent test score) | | | |
| Stat 251 | | | |
| For 221 | | | |
| For 274 | | | |

| Third Year-Fall Semester | CR | GR | Sem |
|---|---|---|---|
| | | | |
| For 330 Forest Ecosystem Proc (Soil 205, Math 143 or 160, Physics 100 or 111, and For 221 or REM 221) | 3 | | F |
| Engl 317 Tech Writing or Engl 313 Bus Writing (Engl 102) | 3 | | FS |
| | | | |
| | | | |
| Restricted Electives | | | |
| ^General Core Requirements | | | |
| ^Course to fulfill International requirement | | | |
| | | | |
| **Total Credits** | | | |

| Third Year-Spring Semester | CR | GR | Sem |
|---|---|---|---|
| | | | |
| CSS 383 NR & Ecosystem Service Econ (For/ CSS 235, and Econ 202 or 272, and Math 143) | 3 | | S |
| For 320 Dendrology (Biol 116 or PlSc 205) | 4 | | S |
| For 324 Forest Regeneration (For 274, For 330, Soils 205 and 206) | 3 | | S |
| For 375 Intro to Spatial Analysis for Natural Resource Management (college algebra) | 3 | | S |
| Restricted Electives | | | |
| ^General Core Requirements | | | |
| Career Tracks electives or minor electives | | | |
| | | | |
| **Total Credits** | | | |

•Recommended semester for this course
^General Core Requirements: 18-credit minimum

| Fourth Year-Fall Semester | CR | GR | Sem |
|---|---|---|---|
| | | | |
| For 424 Forest Dynamics and Mgmt (Sr standing, For 274, 320, 324 and 330) | 4 | | F |
| For 462 Watershed Science and Management (Rec: Math 143 or 160, HS physics or Phys 100 or 111) | 3 | | F |
| Restricted Electives | | | |
| ^General Core Requirements | | | |
| Career Tracks electives or minor electives | | | |
| | | | |
| | | | |
| **Total Credits** | | | |

| Fourth Year-Spring Semester | CR | GR | Sem |
|---|---|---|---|
| | | | |
| For 468 Forest and Plant Pathology (For 320 and For 330) | 2 | | S |
| Ent 469 Introduction to Forest Insects (For 221 or REM 221) | 2 | | S |
| ♦For 484 Forest Policy and Admin (Jr standing Rec: For 235 and For 383) | 2 | | S |
| Restricted Electives | | | |
| ^General Core Requirements | | | |
| Career Tracks electives or minor electives | | | |
| | | | |
| **Total Credits** | | | |

♦Substitutes: CSS 364 or CSS 462

## Restricted Electives: Must take 16 credits of the courses listed below.

| Restricted Electives-Fall Only | CR | GR | Sem |
|---|---|---|---|
| | | | |
| Biol 421 Advanced Evolution/Pop Dynamics (Biol 314 or For 221 or REM 221) | 3 | | F |
| Fish 314 Fish Ecology (For 221, REM 221 or Biol 314) | 3 | | F |
| Fish 415 Limnology (Stat 251 and For 221, REM 221 or Biol 314) | 4 | | F |
| For 425 Forest and Soil Nutrient Cycling (For 330, Soils 205) | 3 | | F |
| For 426 Wildland Fire Mgmt & Ecology (For 221 or REM 221) | 3 | | F |
| For 427 Prescribed Burning Lab (For 426, REM 244, & Sr standing, & perm; Coreq: For 426) | 3 | | F |
| For 463 Hydrologic Measurement Techs (Coreq: CE 325/BAE 355, BAE 450, or For 462) | 1 | | F |
| For/REM 472 Remote Sensing of the Environment (Rec: Phys 100 or 112) | 4 | | F |
| ♦ForP 321 Renewable Materials Anatomy & Properties | 3 | | F |
| ♦ForP 430 Forest Engineering & Harvesting (Rec: ForP 230) | 3 | | F |
| Geog 301 Meteorology (Geog 100 or Phys 100, and Math 143, or permission) | 3 | | F |
| Geol 111, 111L Physical Geol for Science Majors | 4 | | F |
| PolS 364 Politics of the Environment | 3 | | F |
| REM 357 Rangeland & Riparian Habitat Assess | 3 | | F |
| REM 407 GIS Applications in Fire Ecology and Mgmt (For 375 or Geog 385; or perm) | 2 | | S |
| REM 459 Rangeland Ecology (gen ecol or perm) | 2 | | F |
| REM 460 Rangeland Ecology Current Topics & Field Studies (Coreq:REM 459) | 1 | | F |
| Wlf 314 Wildlife Ecology I (For 221, REM 221 or Biol 314) | 3 | | F |
| Wlf 440 Conservation Biology (For 221, REM 221 or Biol 314 or permission) | 3 | | F |

**♦Courses required for Forest Operations Emphasis**

| Restricted Electives-Spring Only | CR | GR | Sem |
|---|---|---|---|
| | | | |
| AgEc 477 Law, Ethics and the Environment | 3 | | S |
| Biol 213 Princ of Biol Structure & Function (Biol 115 and 116) | 4 | | S |
| CSS 486 Public Involvement in Nat Res Mgmt | 3 | | S |
| CSS 490 Wilderness and Protected Area Mgmt | 3 | | Alt/yrs S |
| Fish 430 Riparian Ecology & Mgmt (For 221, REM 221 or Biol 314) | 3 | | S |
| ♦ForP 432 Designing Forest Access (Prereq or Coreq: ForP 430 or Permission) | 3 | | Alt/yrs S |
| ♦ForP 434 Forest Tractor and Cable Systems (Phys 111 or 211, and ForP 430 or Perm; Coreq: ForP 430) | 4 | | Alt/yrs S |
| ♦ForP 444 Primary Wood Products Manufacturing (ForP 321) | 3 | | S |
| REM 429 Landscape Ecology (For 221 or REM 221) | 3 | | S |
| REM 440 Wildland Restoration Ecology (ecol.) | 3 | | S |
| Soils 446 Soil Fertility (Rec: Soil 205 and 206) | 1-3 | | S |
| Soils 454 Soil Development and Classification (Rec: Soil 205 and 206) | 3 | | S |
| Wlf 316 Wildlife Ecology II (Wlf 314 and 315 with 'C' or better) | 4 | | S |

| Restricted Electives-Either Semester | CR | GR | Sem |
|---|---|---|---|
| | | | |
| For 497 Senior Thesis (Sr standing, GPA 3.2+) | 2-4 | | FS |
| Geog 385 GIS Primer | 3 | | FS |
| Math 160 Survey of Calc **OR** Math 170 Analytic Geometry & Calculus I (Math 143) | 4 | | FS |
| Stat 431 Statistical Analysis (Stat 251, 271, or 301) | 3 | | FS |

**Students must have a minimum cumulative grade-point average of 2.0 in Forest Resources (For) courses to qualify for the B.S. degree in Forest Resources**

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