

2011-2012 Advising Checklist
Requirements for the B.S. degree in **Fire Ecology and Management**
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
^•Math 143 (Math 108) or Math 160 (Math 137 or 143)	3		FS
NR 101 Exploring Natural Resources	1		F
General Core Requirements			
Total Credits	14		

First Year-Spring Semester	CR	GR	Sem
^•Biol 115 Cells & the Evol of Life (Chem 101 or 111)	4		FS
^Phys 100 Fundamentals of Physics	4		S
^•Stat 251 Principles of Statistics (Math 108)	3		FS
♦REM 244 Wildland Fire Management	2		S
General Core Requirements			
Total Credits	13		

Second Year-Fall Semester	CR	GR	Sem
For 274 Forest Msrmt & Inventory (Coreq: Stat 251) OR REM 357 Rangeland and Riparian Habitat Assessment (Stat 251 or Permission)	3 4		F
^*Biol 116 Organisms and Environments (Biol 115 & Chem 101) OR PISc 205 Gen Botany (Biol 115)	4		FS
^For 235 Society and Natural Resources	3		FS
REM 221 Ecology (Biol 102, 115, or 116)	3		F
Additional Required Coursework			
General Core requirements			
Electives			
Total Credits			

Second Year-Spring Semester	CR	GR	Sem
*Biol 213 Principles of Biol. Structure & Func. (Biol 115 & 116) OR *PISc 205 Gen Botany (Biol 115)	4		S
^Econ 202 Principles of Economics	3		FS
For 221 Ecology (Biol 102, or 115, or 116 or PISc 205)	3		S
^•Soil 205, 206 The Soil Ecosys and Lab (Chem 101)	4		FS
Additional Required Coursework			
General Core requirements			
Electives			
Total Credits			

Second Year Students Must Take:

REM 221 (Fall only) **OR** For 221 (Spring only)

*Biol 116 (Biol 115 & Chem 101 or 111), **OR** *Biol 213 (Biol 115 & 116), **OR** *PISc 205 (Biol 115)

Third Year-Fall Semester	CR	GR	Sem
For 330 Forest Ecosystem Proc (Soil 205, Math 143 or 160, HS physics or Physics 100)	3		F
^•Engl 317 Tech Writing or Engl 313 Bus Writing (Engl 102)	3		FS
Restricted Electives			
General Core Requirements			
Total Credits			

Third Year-Spring Semester	CR	GR	Sem
■ For 383 Substitutes: AgEcon 451 or Econ 385	3		S
For 375 Intro to Spatial Anal for Nat Res Mgmt (Math 108)	3		S
♦For 450 Combustion, Fire Behavior & Fuels (Phys 111 and REM 244; Coreq: For 451)	3		S
♦For 451 Fuels Inventory and Mgmt (For 375, REM 244 and For 274 or REM 357; Coreq 450)	3		S
Restricted Electives			
General Core Requirements			
Total Credits			

♦ Fire Core courses

• Recommended semester for this course

* Second Year-Must take Biol 115 (recommended in first year) and one of the following: Biol 116, or Biol 213 (Spring only), **OR** PISc 205 (Spring only)

^ These courses meet General Core Requirements (18-credit minimum). In addition, students will need to take one International course and two Humanities courses.

Fourth Year-Fall Semester	CR	GR	Sem
♦For 426 Wildland Fire Ecology (For 221 or REM 221)	3		F
♦For 427 Prescrib Burn Lab (REM 244, For 450, For 451, Sr standing, and perm; Coreq: For 426)	3		F
REM 402 GIS Applications in Natural Resources	2		F
REM 459 Rangeland Ecology	2		F
Restricted Electives			
General Core Requirements			
Total Credits			

Fourth Year-Spring Semester	CR	GR	Sem
For 484 Forest Policy and Administration	2		S
Restricted Electives			
General Core Requirements			
Total Credits			

Additional Required Coursework:	CR	GR	Sem
One of the following courses (3 cr.)			
Comm 332 Communication & the Small Group	3		F
CSS 287 Foundations of Conservation Leadership and Management	3		F
CSS 387 Environmental Comm Skills	3		F
CSS 481 Conservation Leadership (CSS 235, CSS 287)	3		S
CSS 486 Public Involvement in NR Mgmt	3		S
One of the following courses (4 cr)			
REM 341 Systematic Botany (Biol 115,116)	3		S
For 320 Dendrology (Biol 116 or PISc 205)	4		S
REM 353 Rangeland Plant ID and Ecology	3		F
Applied Tools and Technology (3-4 cr)			
For 433 Science-Based Fuels Mgmt Planning	2		S
For 435 Remote Sensing for Fire Management	3		S
For 472 or REM 472 Remote Sensing of the Environment	3-4		F
Geog 301 Meteorology (Geog 100 or Phys 100, and Math 143)	3		F
Geog 385 GIS Primer	3		F/S
Geog 401 Climatology	3		S
REM 407 GIS Applications in Fire Ecol and Mgmt (NR 402 or Geog 385)	2		S

Additional Required Coursework (cont.):	CR	GR	Sem
Ecology (5-6 cr)			
Biol 311 Plant Physiology	4		F/Alt Yrs
REM 429 Landscape Ecology (For/REM 221)	3		S
For 469 Introduction to Forest Insects (For 221 or REM 221)	2		S
REM 440 Wildland Restoration Ecology or REM 441 Restoration Ecology	3		S
REM/Geog 450 Global Environmental Change	3		S
WLF 314 Wildlife Ecology (For 221, REM 221, or Biol 314)	3		F
WLF 440 Conservation Biology (For 221, REM 221, or Biol 314 or Permission)	3		F
Natural Resources Mgmt, Plng & Policy (6 cr)			
CSS 385 Conservation Mgmt & Planning (Jr or Sr standing)	3		F
CSS 490 Wilderness & Protected Area Mgmt	3		S
For 324 Forest Regeneration (For 274, For 330, Soils 205 and 206)	3		S
For 424 Forest Dynamics & Management (For 274, 320, 324, and 330)	4		F
For 462 Watershed Science & Management (Rec: Math 143 or 160, HS physics or Phys 100 or 111)	3		F
ForP 430 Forest Engineering & Harvesting	3		F
REM 456 Integrated Rangeland Mgmt	3		S

A student must receive a grade of C or better in each of the following indicator courses to register for upper-division courses in the Fire Core (FOR 426, 427, 450, 451, REM 459) and to graduate with a B.S. Fire Ecology and Management:

Course	CR	GR	Sem
For 221/REM 221	3		FS
For 274 OR REM 357	3		F
Math 143	3		FS
REM 244	2		FS
Stat 251	3		FS

Students must also have a minimum cumulative grade-point average of 2.00 in Forest Resources and Rangeland Ecology and Management courses to qualify for the B.S. degree in Fire Ecology and Management. 128 total credits required for degree.

♦ Fire Core courses

• Recommended semester for this course

* Second Year-Must take two of the following: Biol 116 (Biol 115 & Chem 101 or 111), Biol 213 (Biol 115 & 116), or PISc 205 (Biol 115).

^ These courses meet General Core Requirements (18-credit minimum). In addition, students will need to take one International course and two Humanities courses.