

2012-2013 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 Evolution of Life (Coreq: Chem 101 or 111)	4		FS
^Phys 100/100L 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
^*Biol 116 Organisms and Environments (Biol 115 & Chem 101) OR PISc 205 Gen Botany (Biol 115)	4		FS
For 274 Forest Msrmt & Inventory (Coreq: Stat 251)	3		F
REM 221 Ecology (Biol 102/102L, 115, or 116; or perm) OR For 221	3		F
^For 235 Society and Natural Resources	3		FS
Additional Required Coursework			
General Core requirements			
Electives			
Total Credits			

↔
OR
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Second Year-Spring Semester	CR	GR	Sem
*PISc 205 Gen Botany (Biol 115) OR ^*Biol 116 Organisms and Environments (Biol 115 & Chem 101)	4		S
^Econ 202 Principles of Economics	3		FS
For 221 Ecology (Biol 102/102L, 115, 116 or PISc 205; or perm) OR REM 221	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** *PISc 205 (Biol 115)

A student must receive a grade of C or better in each of these 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	3		F
Math 143	3		FS
REM 244	2		FS
Stat 251	3		FS

Third Year-Fall Semester	CR	GR	Sem
^Engl 317 Tech Writing or Engl 313 Bus Writing (Engl 102)	3		FS
For 330 Forest Ecosystem Proc (Soil 205, Math 143 or 160, Physics 100/100L or Phys 111/111L, and For 221 or REM 221)	3		F
Geog 301 Meteorology (Geog 100 or Phys 100, and Math 143)	3		F
Restricted Electives			
General Core Requirements			
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 375 Intro to Spatial Anal for Nat Res Mgmt (Math 108)	3		S
♦For 450 Combustion, Fire Behavior & Fuels (Phys 100 and REM 244)	3		S
Restricted Electives			
General Core Requirements			
Total Credits			

♦ Fire Core courses

* Must take Biol 115 (recommended in first year) and one of the following: Biol 116 (Fall or Spring), **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 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 (Jr. standing)	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 (3-4 cr)			
For 320 Dendrology (Biol 116 or PISc 205)	4		S
REM 252 Wildland Plant ID Field Studies	3		S
REM 341 Systematic Botany (Biol 115,116)	3		S
Ecology (5-6 cr)			
REM 429 Landscape Ecology (For 221 or REM 221)	3		S
For 469 Introduction to Forest Insects (For 221 or REM 221)	2		S
REM 440 Wildland Restoration Ecology	3		S
REM 450 or Geog 450 Global Environmental Change (Math 143 or Stat 251)	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

Additional Required Coursework (cont.):	CR	GR	Sem
Applied Tools and Technology (3-4 cr)			
For J435/J535 Remote Sensing for Fire Management (REM 402 or permission)	3		S
For 472 or REM 472 Remote Sensing of the Environment	3-4		F
Geog 385 GIS Primer	3		F/S
Geog 401 Climatology	3		S
REM 357 Ecological Monitoring and Analysis (Stat 251 or permission)	4		F
REM J407/J510 GIS Applications in Fire Ecol and Mgmt (For 375 or Geog 385, or perm)	2		S
Natural Resources Management, Planning and 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 (Sr standing, For 274, 320, 324, and 330)	4		F
For J454/J554 Air Quality and Smoke Mgmt (For 426)	3		F/S
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

Students must also have a minimum cumulative grade-point average of 2.0 in Forest Resources and Rangeland Ecology and Management courses to qualify for the B.S. degree in Fire Ecology and Management

120 total credits required for degree

♦ Fire Core courses

• Recommended semester for this course

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