

**2009-2010 Advising Checklist**  
**Requirements for degree (BS) in ECOLOGY & CONSERVATION BIOLOGY**  
**with CONSERVATION BIOLOGY OPTION**  
**College of Natural Resources**

Name \_\_\_\_\_

Advisor \_\_\_\_\_

College Transferred from \_\_\_\_\_ Year Started UI \_\_\_\_\_

Course	Title (Prerequisites)	CR	Sem/ Yr	GR	Course	Title (Prerequisites)	CR	Sem/ Yr	G R
<b>FIRST YEAR</b>					<b>THIRD YEAR</b>				
NR	200 Seminar (perm)	1	S		Engl	317 Technical and Engineering Report Writing (Engl 102, exam, Jr standing)	3	FS	
NR	101 Exploring Natural Resources	1	F		Phil **	452 Environmental Philosophy	3	F	
Chem	101 Introduction to Chemistry I	4	FS		For	383 Econ/Nat Res Mgrs(Econ 202, Math 160, For 235) or	3	F/S	
Chem	111 Principles of Chemistry I				383 Res. Econ. for Env. Policy (Econ 201 or 202) or				
Biol	115 Cells & Evol. Life (pre-req/co-req Chem 101/111)	4	FS		Econ	385 Environmental Econ (Econ 202 or 272 or Perm.)			
Comm	101 Fundamentals of Public Speaking	2	FS		Fish**	316 Princ. of Population Dynamics(For /REM 221)	2	S	
Engl	102 College Writing and Rhetoric	3	FS		Wif**	316 OR Wildlife Ecol II (Wif. 314 & 315)	4	S	
Math	160 Survey of Calculus (scores, test, or math 143) OR	4	FS		REM	341 Systematic Botany (Biol 115 & 116) OR	3	S	
Math	170 Analy Geo & Calc I (math 143, geom/trig scores)	4	FS		For	320 Dendrology (Biol 116 or perm.)	3	S	
<b>SECOND YEAR</b>					<b>FOURTH YEAR</b>				
Biol *	116 Organisms & Environ. (Biol 115 & Chem 101)	4	FS		CSS/Fish/ ForP/For/ NR/REM/ Wif	497 Senior Thesis	1/2	FS	
Biol *	213 Princ of Biol Struc & Funct (Biol. 115 & 116)	4	S			OR			
Econ	202 Principles of Economics	3	FS			485 Nat Res Ecol & Cons Biol Project	1/2	FS	
Econ	272 Foundations of Economics	4							
For/CSS	235 Society & Natural Resources	3	FS			483 Senior Project Presentation (Sr.)	1	FS	
Stat*	251 Principles of Statistics (Math 137, 143 or 160)	3	FS		Biol **	421 Adv. Evol./Pop.Dyn. (For /REM 221 or Biol 314)	3	F	
For/REM*	221 Ecology (Biol 115 or 116, 213 recomm)	3	FS		Wif **	440 Conservation Biology (For/REM 221 or perm)	3	F	
Biol	210 Genetics (Biol 115 or MMBB 250) OR	4	F		CSS**	493 Internat'l Land Pres. & Cons. Systems	3	S	
Gene	314 General Genetics (Biol 115 or MMBB 154)	3	S		REM**	429 Landscape Ecology of Forests & Rangelands	3	S	
<b>Quantitative Resource Analysis Restricted Electives - 2 courses (see back):</b>					<b>Ecology Restricted Electives - 2 courses minimum 6 credits (see back):</b>				
<b>Social/Political Restricted Electives- 1 course (see back):</b>					<b>Organismal Biology (choose one course):</b>				
<b>Resource Management Restricted Electives - 1 course (see back):</b>					Ent	211 Insect Biology	4	F	
Core		4			Biol	483 Mammalogy (Biol 115 & 116)	3	F	
		3			Biol	489 Herpetology (Biol 115 & 116)	4	F	
	SS	3			Biol	481 Ichthyology (Biol 115 & 116)	4	S	
	H	3			Wif	482 Ornithology (Biol 213)	3	S	
					REM	353 Range Plant ID & Ecol (For/REM 221)	3	F	

- No upper division course may be taken while on probation.
- 36 upper division credits must be completed. Transfer courses are upper division if they were 300 or 400 level courses at a previous institution.
- NOTE: Students pursuing a B.S. in Ecology and Conservation Biology must receive a grade of C or better in each of the following 4 indicator courses to register in upper division courses in Fish/For/Rnge/CSS/Wif and to graduate with a B.S. in either option: **Biol 116; Biol 213; Stat 251; For or REM 221.** \*
- To graduate, a student must also achieve a "C" or better in each of these core Conservation Biology option course **Biol 421, NR 200, Fish or Wif 316, REM 429, Phil 452, CSS 493, Wif 440, \*\***
- Before students are allowed to begin their senior thesis or project (497 or 485), they must attend two evening thesis/project sessions and one senior poster presentation.

course	semester	grade
Biol 116	_____	_____
Biol 213	_____	_____
Stat 251	_____	_____
For or REM 221	_____	_____

**2009 -2010 ADVISING CHECKLIST - CONSERVATION BIOLOGY OPTION**

Course	Title	CR	Sem/Yr.	GR
<b>Resource Management Restricted Electives (choose one course):</b>				
Cons. Social Science	385 Conservation Management & Planning I (NR 101,CSS 287)	3	F	
Cons. Social Science	490 Wilderness & Protected Area Management	3	S	Offered alternate years / spring
Cons. Social Science	496 Monitoring Impacts in Protected Areas and Wilderness	3	S	Offered alternate years / spring
Fish	418 Fisheries Management (Fish 314 & 411, Statistics 251)	4	F	
Forest Resources ***	424 Forest Dynamics & Management (For 324 and 330)	2	F	
Forest Resources	462 Watershed Management (For/REM 221)	2	F	
REM	454 Rangeland Weed Management (recommended pre-req. PISc 338)- Offered alt. yrs / spring	3	S	
REM	456 Integrated Rangeland Management (REM 251)	3	S	
Wildlife	492 Wildlife Management (For/REM 221, Wif 316, 448)	4	S	

<b>Quantitative Resource Analysis Restricted Electives (choose two courses):</b>				
Cons. Social Science	310 Social Research Methods in Conservation (Stat 251)	4	F	
Forest Resources	375 Introduction to Spatial Analysis for Natural Resource Managers (college algebra)	3	S	
For Res/REM	472 Remote Sensing of the Environment /Lab optional	3-4	F	
Forest Resources***	474 Forest Inventory (Stat 251 and permission)	3	S	
Geography	385 GIS Primer	3	FS	
REM	357 Rangeland and Riparian Habitat Assessment (Stat 251)	3	F	
Statistics	401 Statistical Analysis (Statistics 251 or 271 or 301)	3	FS	
Statistics	422 Sampling Methods (Statistics 251 or 271 or 301)	3	S	
Wildlife	448 Fish & Wildlife Population Ecology (Stat 251, Fish or Wif 316)	4	F	

<b>Ecology Restricted Electives (choose two courses, minimum 6 credits, 2 credits of which are from asterisked *** courses):</b>				
Biology	478 Animal Behavior (Biol 115 & 116)	3	S	
Entomology	472 Aquatic Entomology/Lab	3	S	Offered alternate years/ spring
Fish	314 Fish Ecology (For or REM 221 or Biol 314 )	3	F	
Fish***	315 Fish Ecology Lab (co-req. Fish 314, For or REM 221 or Biol 314)	1	F	
Fish***	415 Limnology (For/REM 221 or Biology 314 and Stat 251)	4	F	
Fish/REM***	430 Riparian Ecology and Management (For or REM 221 or Biol 314)	3	S	
Fish/REM***	435 Wetland Ecology & Management (For or REM 221 or Biol 314)	3		Check for when offered
Forest Resources	330 Forest Ecosystem Processes (Soil 205, Math 143 or 160, Phys 100 or 111, or perm)	2	F	
Forest Resources***	423 Forest Community Ecology (For or REM 221 or Biol 341)	1	F	
Forest Resources	426 Wildland Fire Ecology and Management (For or REM 221)	3	F	
Forest Resources***	463 Hydrologic Measurement Techniques (For 462)	1	F	
Forest Resources	468 Forest and Plant Pathology (For 320 and For 330)	2	S	
Forest Resources	469 Introduction to Forest Insects (For or REM 221)	2	S	
Geog	310 Biogeography (Geog 100)	2-3	F	
Geog/REM	450 Global Environmental Change (Math 143 or Stat 251)	3	S	
MMBB	425 Microbial Ecology (MMBB 250, Math 137 or 143)	3	S	
Plant Science	410 Biology of Weeds (Biol 311)	3	F	
REM	440 Wildland Restoration Ecology (For or REM 221 or Biol 314)	3	S	
REM	459 Rangeland Ecology (For or REM 221 or Biol 314)	2	F	
REM***	460 Rangeland Ecology Current Topics & Field Studies (For/REM 221 or Biol 314, co-req REM 459)	1	F	
Wildlife	314 Wildlife Ecology I (For or REM 221 or Biology 314)	3	F	
Wildlife***	315 Wildlife Ecology I Lab (For or REM 221, Wif 314 co-req.)	1	F	

<b>Social/Political Restricted Electives (choose one course):</b>				
Communication	331 Conflict Management	3	FS	
Cons. Social Science	387 Environmental Communication Skills (CSS 287 or permission)	3	S	
Cons. Social Sciences	481 Conservation Leadership	3	S	
Cons. Social Science	486 Public Involvement in Natural Resource Management	3	S	
Cons. Social Science	489 Personalities and Philosophies in Conservation	2	S	
Cons. Social Science	494 Public Relations for Natural Resource Professionals	3	F	
Forest Resources	484 Forest Policy and Administration	2	S	
History	424 American Environmental History	3	S	
Phil	382 Philosophy of Ecology	3		Check for when offered
Phil	457 Natural Resource Ethics	3	S	Offered alternate years / spring
PolS / CSS	364 Politics of the Environment	3	F	

Electives to total 128 credits .....