

B.S. Ecology and Conservation Biology
 Conservation Biology
 College of Natural Resources
 Plan to Graduate, 2013-2014 Academic Catalog

First Year Fall Semester	CR	Sem	GR
CHEM 101 - Intro to Chemistry or	4	F/S	
CHEM 111 - Principles of Chem I			
ENGL 102 - Coll. Writing/Rhetoric	3	F/S	
MATH 160 - Survey of Calculus	4	F/S	
NR 101 - Exploring Nat. Res.	1	F	
General Education Requirement	3		
Total Credits	15		

First Year Spring Semester	CR	Sem	GR
BIOL 115 - Cells & Evolution	4	F/S	
NR 200-Seminar	1	S	
ISEM 101	3	F/S	
STAT 251 - Statistical Methods	3	F/S	
COMM 101 - Fund. Of Pub. Speak	2	F/S	
General Education Requirement	3		
Total Credits	16		

Second Year Fall Semester	CR	Sem	GR
BIOL 116 - Organisms/Environ.	4	F/S	
CSS 235 - Society and Nat. Res.	3	F	
ECON 202 - Princ. of Microeconomics	3	F/S	
PHIL 452 - Environmental Philosophy	3	F/S	
General Education Requirement	3	F/S	
Total Credits	16		

Second Year Spring Semester	CR	Sem	GR
BIOL 213 - Princ. Biol. Structure	4	S	
FOR 221 - Ecology	3	S	
FOR 375 - Intro to Spatial Landsc	3	S	
GENE 314 - Genetics	3	S	
General Education Requirement	3		
Total Credits	16		

Third Year Fall Semester	CR	Sem	GR
Biol 421 - Adv. Evolutionary Biology	3	F	
ISEM 301	1	F/S	
WLF 440 - Conservation Biology	3	F/S	
Restricted elective	3		
Restricted elective	3	F/S	
Total Credits	13		

Third Year Spring Semester	CR	Sem	GR
CSS 383 - NR Economics	3	S	
WLF 316 - Wildlife Ecology II or		S	
FISH 316 - Fish Ecology II	2 or 4	S	
ENGL 317 - Technical Writing	3	F/S	
WLF 497 - Senior Thesis	1	F/S	
FOR 320 or REM 341	3 or 4	S	
Total Credits	12-15		

Fourth Year Fall Semester	CR	Sem	GR
WLF 497 - Senior Thesis	2	F/S	
Restricted Elective	3	F/S	
Restricted Elective	3	F/S	
Restricted Elective	3	F/S	
Restricted Elective	3	F/S	
Restricted Elective	2	F/S	
Total Credits	16		

Fourth Year Spring Semester	CR	Sem	GR
REM 429 - Landscape Ecology	3	S	
WLF 483 - Senior Project Presentation	1		
CSS 493 - Internat'l Land Pres/Cons Sy	3	S	
Restricted elective	3	F/S	
Restricted elective	3		
Total Credits	13		

Students pursuing a B.S. ecology and conservation biology must receive a grade of C or better in each of the following four indicator courses to graduate with a B.S. in ecology and conservation biology.

Course	CR	Sem	GR
BIOL 116			
BIOL 213			
STAT 251			
FOR/REM 221			

Organismal Biology Restricted Elective (choose one)			
Biol 481 - Ichthyology	4	S	
Biol 483 - Mammalogy	3	F	
Biol 489 - Herpetology	4	F	
Wlf 482 - Ornithology	4	S	

Before students are allowed to begin their senior thesis or project (485 or 497), they must attend two evening thesis / project sessions and one senior poster presentation.

To graduate in this option, students must achieve a "C" or better in the following seven core courses: NR 200, BIOL 421, PHIL 452, REM 429, CSS 492, WLF 316 or Fish 316, and WLF 440.

2013-2014 Restricted Electives for ECB - Conservation Biology option

Quantitative Resource Analysis Restricted Electives (choose one)	CR	SEM	GR
CSS 310 - Social Research Methods in Conservation	4	F	
FOR/REM 472 - Remote Sensing of the Environment	4	F	
Geog 385 - GIS Primer	3	F/S	
REM 411 - Ecological Monitoring and Analysis	2	F	
STAT 431 - Statistical Analysis	3	F/S	
STAT 422 - Sample Survey Methods	3	F/S	
WLF 448 - Fish & Wildlife Population Ecology	4	F	

Resource Management Restricted Electives (choose one)	CR	SEM	GR
CSS 385 - Conservation Management & Planning I	4	F	
CSS 490 - Wilderness and Protected Area Management	3	Alt yr	
CSS 496 - Monitoring Impacts in Protected Areas and Wilderness	3	Alt yr	
FISH 418 - Fish Management	4	S	
FOR 424 - Forest Dynamics and Management	4	F	
FOR 462 - Watershed Science and Management	3	F	
REM 456 - Integrated Rangeland Management	3	S	
WLF 492 - Wildlife Management	4	S	

Ecology Rest. Electives 10 credits, at least 2 cr. from Fish 315, 415 or 430, REM 460, and/or Wlf 315	CR	Sem	GR
BIOL 478 - Animal Behavior	3	S	
ENT 469 - Introduction to Forest Insects	2	S	
ENT 472 - Aquatic Entomology	3	Alt yr	
FISH 314 - Fish Ecology	3	F	
FISH 315 - Fish Ecology lab	1	F	
FISH 415 - Limnology	4	F	
FISH 430 - Riparian Ecology and Management	3	S	
FOR 326 - Fire Ecology and Management	3	F	
FOR 330 - Forest and Soil Canopy Processes	4	F	
FOR 468 - Forest and Plant Pathology	2	S	
GEOG 410 - Biogeography	3	S	
GEOG/REM 450 - Global Environmental Change	3	Alt yr	
MABB 425 - Microbial Ecology	3	S	
PLSC 410 - Invasive Plant Biology	3	Alt yr	
REM 440 - Wildland Restoration Ecology	3	S	
REM 459 - Rangeland Ecology (WWW)	2	F	
REM 460 - Rangeland Ecol. Curr Topics/Field Studies	1	F	
WLF 314 - Wildlife Ecology I	3	F	
WLF 315 - Wildlife Ecology I lab	1	F	

Social Science/Political Science Electives (choose one)	CR	SEM	GR
COMM 410 - Conflict management	3	F/S	
CSS 387 - Environmental Communication Skills	3	S	
CSS 489 - Personalities and Philosophies in Conservation	3	S	
GEOG 420 - Land, Resources, Environment	3	Alt yr	
HIST 424 - American Environmental History	3	S	
PHIL 452 - Environmental Philosophy	3	F	
CSS/POLS 364 - Politics of the Environment	3	F	