

**Iowa State University
College of Agriculture
Animal Ecology Eight-Semester Plan ^e
Ecology Option
2003 - 2005 Catalog**

Semester 1

BIOL 201	Principles of Biology I	3
BIOL 201L	Principles of Biology Laboratory	1
ENGL 104	Freshman Composition I	3
NREM 110	Orientation in NREM	R
MATH 140 ^a	College Algebra	3
CHEM 163 ^b	General Chemistry	4
CHEM 163L	General Chemistry Lab	<u>1</u>
		15

Semester 2

ENGL 105	First-Year Composition II	3
LIB 160	Library Instruction	0.5
NREM 120	Introduction to Renewable Resources	3
CHEM 164	General Chemistry II	3
MATH 142	Trig and Analytic Geometry	3
BIOL 202	Principles of Biology II	3
BIOL 202L	Principles of Biology II Laboratory	<u>1</u>
		16.5

Semester 3

A ECL 310	Vertebrate Biology	4
A ECL 312	Ecology	3
A ECL 211	Careers in Animal Ecology	1
MATH	Calculus Elective	4
Elective ^c	Ethics/Humanities/Social Sci. Elective	<u>3</u>
		15

Semester 4

CHEM 231	Elem. Organic Chemistry	3
CHEM 231L	Elem. Organic Chemistry Lab	1
STAT 101or 104	Introduction to Statistics	3, 4
SP CM 212	Public Speaking	3
Elective	Communications Elective	3
Elective ^c	Ethics/Humanities/Social Sci. Elective	<u>3</u>
		16-17

Semester 5

PHYS 106	Physics of Common Experience	4
A ECL 410	Aquatic Ecology	3
A ECL 410L	Aquatic Ecology Lab	1
BIOL 301/GEN 320	Genetics	3
Elective ^c	Ethics/Humanities/Social Sci. Elective	3
Free Elective ^d		<u>3</u>
		17

Semester 6

BIOL 303	Biological Evolution	3
BOT 484	Plant Ecology	3
Elective	Communications Elective	3
Restricted Elective	Comp. Sci/Math/Stat Elective	3,4
Elective	International Perspective Elective	<u>3</u>
		15-16

Semester 7

Restricted Elective	Taxonomy Elective	3
Restricted Elective	Physical Science Elective	3
Restricted Elective	Additional elective from option	3
Elective	US Diversity Elective	3
Free Elective ^d		<u>3</u>
		15

Semester 8

A ECL 413	Community Ecology & Management	3
Restricted Elective	As needed	2,3
Free Electives ^d	As needed	<u>12</u>
		17-18

^a Initial math course is determined on the basis of high school math and placement test scores. A non-credit math course may be required at additional cost.

^b Students who have not had chemistry in high school should take Chem 105 first.

^c For listings of acceptable courses to meet requirements in Ethics, Humanities, Social Science, U.S. Diversity and International Perspectives, see advisor.

^d Students are urged to consult their advisor on the use of some electives to develop a minor or area of concentration.

^e 128 total credit required for graduation

