

**Iowa State University
College of Agriculture
Animal Ecology Eight-Semester Plan ^e
Pre-veterinary and Wildlife Care 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 163/177 ^{b,f}	General Chemistry	4
CHEM 163L/177L	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 164/178 ^f	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 ^f	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 ^f	Physics of Common Experience	4
An S 214	Domestic Animal Physiology	3
Restricted Elective	Genetics/Development Elective	3
Elective ^c	Ethics/Humanities/Social Sci. Elective	3
Free Elective ^d		<u>3</u>
		16

Semester 6

A ECL 330	Interpretation of Natural Resources	3
Elective	International Perspective Elective	3
Elective	Communications Elective	3
Restricted Elective	Vertebrate Anatomy	3,5
Free Elective ^d		<u>3</u>
		15-17

Semester 7

An S 336	Domestic Animal Behavior	3
NREM 460	Controversies in NR Management	3
Restricted Elective	Health/Production Elective	3
Elective	US Diversity Elective	3
Free Elective ^d		<u>3</u>
		15

Semester 8

Restricted Electives	Natural History Electives	2
Restricted Electives	Advanced Animal Ecology Electives	3
Free Electives ^d	As needed	<u>12</u>
		17

^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

^f Pre-vet students must complete Chem 177, 177L, 178, 331, 331L and 332, Phys 111, 112 and a course in Biochemistry.