

Pre-Vet & Wildlife Care

33 Total Credits



REQUIRED COURSES

AN S 214 *or* BMS 329 3cr Domestic Animal Physiology

(3 credits)

OPTION ELECTIVES

(30 credits)

Animal Behavior

(3 credits minimum)

A ECL 551 3cr Behavioral Ecology
 AN S 336 3cr Domestic Animal Behavior & Well Being
 ANTHR 250 3cr Primate Behavior
 BIOL 354 3cr Animal Behavior

Natural History

(3 credits minimum)

A ECL 321 3cr Fish Biology
 A ECL 366 3cr Natural History of Iowa Vertebrates
 A ECL 457 +Lab 3cr Herpetology
 A ECL 458 +Lab 3cr Ornithology
 A ECL 459 +Lab 3cr Mammalogy

Vertebrate Anatomy

(3 credits minimum)

AN S 214 *or* BMS 329 3cr Domestic Animal Physiology
 BIOL 335 4cr Principles of Human & Other Animal Physiology
 BIOL 351 5cr Comparative Chordate Anatomy
 BIOL 352 4cr Vertebrate Histology
 BIOL 434 3cr Endocrinology

Genetics/Development

(3 credits minimum)

AN S 331 3cr Domestic Animal Reproduction
 BIOL 313* 3cr Principles of Genetics
 BIOL 423 3cr Developmental Biology
 GEN 320* 3cr Genetics, Agriculture & Biotechnology
 NREM 315 3cr Genetics for Nat. Res. Managers

Health/Production

(3 credits minimum)

A ECL 401 1cr Introductory Aquatic Animal Health & Medicine
 A ECL 442 3cr Aquaculture
 A ECL 454 3cr Principles of Wildlife Diseases
 AN S 319 3cr Animal Nutrition
 AN S 493 1-3cr Workshop in Animal Science
 BIOL 353 3cr Introductory Parasitology
 Micro 201 (+Lab) 2-3cr Introduction to Microbiology

Advanced Animal Ecology & NREM (3 credits minimum)

Select 3 credits, 300-500 level, from A ECL or NREM courses

Additional Restricted Electives

Select additional credits from above or 300+ level A ECL or NREM courses

THIRD YEAR

Semester 1		Semester 2	
PHYS 115 +L	5	Physiology Elective	3
Option Elective	3	Option Elective	3
US. Div. Elective	3	Option Elective	3
Free Elective	3	Hum. Elective	3
Free Elective	3	Free Elective	3
14 credits		15 credits	

FOURTH YEAR

Semester 1		Semester 2	
Adv. Com.	3	Adv. Com.	3
Option Elective	3	Option Elective	3
Option Elective	3	Option Elective	3
Ethics Elective	3	Free Elective	3
Free Elective	3	Free Elective	3
Free Elective	3	15 credits	
18 credits			

*One of these Genetics is needed to meet the ISU Vet Med admission requirements

**Biochemistry (BBMB 301 *or* 316) is required prior to Vet School admissions