

**Iowa State University
College of Agriculture
Animal Science Eight Semester Plan
Pre-Veterinary Medicine Option*
2001 - 2003 Catalog**

Semester 1

AnS 110	Orientation	R
AnS 114 & Lab	Survey of Animal Industry	3
Bio 201 & Lab	Principles of Biology I & Lab	4
Engl 104	First-Year Composition I	3
Math 150	Discrete Math for Business & Soc Sci	3
Soc Sci Elective	Social Science Elective	<u>3</u>
		16

Semester 2

Bio 202 & Lab	Principles of Biology II & Lab	4
Chem 177 & Lab	General Chemistry & Lab	5
Lib 160	Library Instruction	0.5
Engl 105	First-Year Composition II	3
Humanities Elective	Humanities Elective	3
Vet Med 120	Career Opportunities in Veterinary Med	<u>1</u>
		16.5

Semester 3

AnS 211	Issues Facing Animal Science	1
AnS 214 & Lab (see note)	Domestic Animal Physiology & Lab	4
Chem 178	General Chemistry	3
Phys 111	General Physics	4
Stat 104	Introduction to Statistics	<u>3</u>
		15

Semester 4

AnS 200 Elective	Animal Science Elective (200 Level)	3
BMS 329	Anatomy & Physiology of Dom Animals	4
SpCm 212	Fundamentals of Public Speaking	3
Phys 112	General Physics	4
AST 181	Microcomputer Applications in Ag	<u>3</u>
		17

Semester 5

AnS 311	Career Preparation in Animal Science	1
AnS 319	Animal Nutrition	3
AnS 331	Animal Reproduction	3
Biol/Gen 301 / 320	Principles of Genetics	3
Chem 331 & Lab	Organic Chemistry & Lab	4
Econ 101	Principles of Microeconomics	<u>3</u>
		17

Semester 6

AnS 337	Lacation	2
AnS 352	Livestock Improv Through An Breeding	3
BBMB 301	Survey of Biochemistry	3
Micro/FSHN 201, 201L/273	General Microbiology	3-4
Chem 332	Organic Chemistry	3
US Multi-Culture Elective	US Multi-Culture Elective	<u>3</u>
		17-18

Semester 7

AnS 411	Addressing Issues in Animal Science	1
AnS 434	Dairy Systems Managemen t	3
AnS 300 Elective	Animal Science Elective (300 Level)	2
Elective	General Elective	<u>10</u>
		16

Semester 8

AnS 400 Elective	Animal Science Elective (400 Level)	3
Ethics Elective	Ethics Elective	3
Int Perspective Elective	International Perspective Elective	4
Elective	General Elective	<u>6</u>
		16

* Courses required for application to Veterinary Medicine at ISU:

Engl 104, 105 / SpCm 212 / Biol 201 & 201L / Biol 202 & 202L + Zool 155 (note: AnS 214 or BMS 329 can be substituted for Zool 155 at ISU only) / Biol 301 or Gen 320 / BBMB 320 / Chem 177, 177L, 178 / Chem 331, 331L, 332 / Physics 111, 112 / Social Sciences & Humanities (9cr note: students wishing to complete BS after transfer to Vmed should complete the multicultural requirement)