COLLEGE OF AGRICULTURE, FORESTRY & NATURAL RESOURCE MANAGEMENT

UNIVERSITY OF HAWAI'I HILO

ANIMAL SCIENCE Specialty
PRE-VETERINARY MEDICINE Curriculum
Effective Fall 2006 (rev 08/06)

STUDENT NAME:	**ADVISOR NAME:**

REQUIREMENTS for GRADUATION:
To earn a Bachelor of Science Degree in Agriculture with a specialization in ANIMAL SCIENCE with a PRE-VETERINARY MEDICINE Curriculum, a student must complete a minimum of 123 semester hours with a cumulative GPA of 2.0. It is the responsibility of the student to make certain that all requirements for graduation are met.

COURSE NUMBER	COURSE TITLE	CREDIT HOURS	SEM/YR COMPLETED
GENERAL EDUCATION REQUIREMENTS (see UH-Hilo General Education Requirements) *In the Agriscience and Supplemental Requirements sections, some of the required courses also qualify as General Education Requirements. Because of this, students need to complete only 21 hours of courses in this section.*		**40 hours**	
ENG 100 or ENG 100T or ESL 100	English Composition	3	
	Quantitative Reasoning (100 or 200 level Math, except 199 or 299) *MATH course taken under the Supplemental Requirements also applicable here.*	3/4	
AG 230 or ANTH 100 or ENG 253, 254, 275 or GEOG 102 or HIST 151, 152 or KInd 240	World Cultures: TWO Courses TOTAL of 6 hours	3	
		3	
	Humanities: THREE 100 or 200 level courses in <u>different</u> disciplines. TOTAL of 9 hours *COM course and ENG 225 taken under the Supplemental Requirements also applicable here.*	3	
		3	
		3	
	Social Sciences: THREE 100 or 200 level courses in <u>different</u> disciplines. TOTAL of 9 hours	3	
		3	
		3	
	Natural Sciences: THREE 100 or 200 level courses in <u>different</u> disciplines. TOTAL of 10 hours Including 1 credit hour of laboratory. *Courses taken under the Supplemental Requirements also applicable here.*	3	
		3	
		4	
Requirements for Major		**Including GE Courses, 123 hours**	
AGRISCIENCE REQUIREMENTS		**39 hours**	
AGBU 110	Introduction to Microcomputing for Agriculture	3	
ANSC 141*	Introduction to Animal Science	3	
ANSC 244*	Fundamentals of Animal Nutrition *(Prerequisite: ANSC 141, CHEM 124-125)*	3	
ANSC 321	Feeds and Feeding *(Prerequisite: ANSC 141, ANSC 244)*	3	
ANSC 350	Anatomy and Physiology of Farm Animals *(Prerequisite: ANSC 141 and CHEM 124)*	3	
ANSC 445	Animal Breeding and Genetics *(Prerequisite: ANSC 141. Rec: MATH 121 or equivalent)*	3	
ANSC 450	Reproduction of Farm Animals *(Prerequisite: ANSC 141. Rec: ANSC 350)*	3	
ANSC 453	Animal Diseases and Parasites I *(Prerequisite: ANSC 141)*	3	

COURSE NUMBER	COURSE TITLE	CREDIT HOURS	SEM/YR COMPLETED
ANSC 454	Animal Diseases and Parasites II *(Prerequisite: ANSC 141)*	3	
ANSC 490	Animal Science Internship *(Permission of instructor required. ANSC 141 and at least TWO ANSC 342, 351, 353, 354 and 355)*	3	
ANSC 342 or ANSC 351 or ANSC 353 or ANSC 354 or ANSC 355 or	Animal Science Production: THREE Courses TOTAL of 9 hours	3	
		3	
		3	
SUPPLEMENTAL REQUIREMENTS			**60 to 61 hours**
AG 375 or BIOL 466	Introduction to Genetic Analysis Genetics *(Prerequisite: BIOL 410)*	3	
BIOL 175-175L*	Introductory Biology I and Lab	4	
BIOL 176-176L*	Introductory Biology II and Lab	4	
BIOL 270-270L*	Intermediate Cell and Molecular Biology and Lab *(Prerequisite: BIOL 125 or BIOL 175-175L & 176-176L, and CHEM 125. CHEM 242-242L recommended and may be taken concurrently.)*	4	
BIOL 275-275L*	Fundamentals of Microbiology and Lab	4	
BIOL 380	Biostatistics	3	
BIOL 410	Biochemistry *(Prerequisite: BIOL 125 or 270, CHEM 242 and PHYS 107 or 171)*	3	
CHEM 124-125* and CHEM 124D-125D and CHEM 124L-125L*	General Chemistry I, II and Discussions and Labs *(Prerequisite: high school chemistry or CHEM 114 and high school algebra or MATH 104 and placement by exam)*	10	
CHEM 241-242* and CHEM 241L-242L*	Organic Chemistry and Labs *(Prerequisite: CHEM 125-125L)*	8	
COM 100* or COM 200* or COM 251*	Human Communication in a Diverse Society Fundamentals of Interpersonal Communication Public Speaking	3	
ENG 225*	WI/Writing for Science and Technology *(Prerequisite: ENG 100/ESL 100)*	3	
MATH 104* or MATH 104F* or MATH 104G* or MATH 115* or MATH 205* or MATH 206*	Precalculus Mathematics *(Prerequisite: Recommendation in Math Placement Test)* Precalculus I: Elementary Functions *(Prerequisite: Recommendation in Math Placement Test)* Precalculus II: Trigonometry & Analytic Geometry *(Prerequisite.:Recom. in Math Placement Test)* Applied Calculus *(Prerequisite: Recommendation in Math Placement Test)* Calculus I *(Prerequisite: Recommendation in Math Placement Test or C in MATH 104)* Calculus II *(Prerequisite: C in MATH 205 or equivalent)*	3/4	
PHYS 106-170L*	College Physics I and Lab *(Prerequisite: 3 years of high school math and placement test)*	4	
PHYS 107-171L*	College Physics II and Lab *(Prerequisite: PHYS 106)*	4	
ELECTIVES *Some suggested electives are other Animal Science courses not listed as requirements, other agricultural courses (AGEC 221 and AGRN 410) and other biology courses.*			**2 to 3 hours**

NOTE: ANSC 141 must be completed before taking other Animal Science classes.

*Can be used for General Education Requirements, if courses are from lower division.

SUMMARY:

Expected Graduation Date: _____ Requirements will have been met? YES NO

GPA: _____ Cumulative GPA in Major: _____

199 or 399 Rule: _____ CR/NC Rule: _____

Ten-Year Rule: _____ Resident in Final Term: _____