



**ANIMAL SCIENCE Specialty
PRE-VETERINARY MEDICINE Curriculum
Effective Fall 2010**

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)			40 hours
<i>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.</i>			
ENG 100 ENG 100T ESL 100 ESL 100T	or English Composition	3	
	Quantitative Reasoning (100 or 200 level Math, except 197, 199V, 299V) <i>MATH course taken under the Supplemental Requirements also applicable here.</i>	3/4	
AG 230 ANTH 100 ENG 253, 254, 275 ENG/WS 201, 202 GEOG 102 HIST 151, 152 KInd 240 POLS 251	or World Cultures: TWO Courses TOTAL of 6 hours	3	
	Humanities: THREE 100 or 200 level courses in <u>different</u> disciplines. <i>COM course and ENG 225 taken under the Supplemental Requirements also applicable here.</i>	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. Including 1 credit hour of laboratory. <i>Courses taken under the Supplemental Requirements also applicable here.</i>	3	
		3	
		4	
Requirements for Major			Including GE Courses, 123 hours
AGRISCIENCE REQUIREMENTS			42 hours
AG 375 BIOL 466	or Introduction to Genetic Analysis Genetics (<i>Prerequisite: BIOL 410</i>)	3	
AGBU 110	Introduction to Microcomputing for Agriculture	3	
ANSC 141*	Introduction to Animal Science	3	
ANSC 244*	Fundamentals of Animal Nutrition (<i>Prerequisite: ANSC 141, CHEM 114-141 or 124-125 or 124-141</i>)	3	
ANSC 321	Feeds and Feeding (<i>Prerequisite: ANSC 141, ANSC 244</i>)	3	
ANSC 350	Anatomy and Physiology of Farm Animals (<i>Prerequisite: ANSC 141 and CHEM 114 or 124</i>)	3	

COURSE NUMBER	COURSE TITLE	CREDIT HOURS	SEM/YR COMPLETED
ANSC 445	Animal Breeding and Genetics (<i>Prerequisite: ANSC 141. Rec: MATH 121 or equivalent</i>)	3	
ANSC 450	Reproduction of Farm Animals (<i>Prerequisite: ANSC 141. Rec: ANSC 350</i>)	3	
ANSC 453	Animal Diseases and Parasites I (<i>Prerequisite: ANSC 141</i>)	3	
ANSC 454	Animal Diseases and Parasites II (<i>Prerequisite: ANSC 141</i>)	3	
ANSC 490	Animal Science Internship (<i>Permission of instructor required. ANSC 141 and at least TWO ANSC 342, 351, 353 and 355</i>)	3	
ANSC 342 or ANSC 351 or ANSC 353 or ANSC 355	Animal Science Production: THREE Courses TOTAL of 9 hours	3	
		3	
		3	
SUPPLEMENTAL REQUIREMENTS			55 to 56 hours
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 (<i>Prerequisite: BIOL 125 or 175-175L and 176, and CHEM 125-125L. Rec: CHEM 242-242L</i>)	4	
BIOL 275-275L*	Fundamentals of Microbiology and Lab (<i>Prerequisite: 1 semester of college chemistry. Rec: BIOL 101, 175 or 176</i>)	4	
BIOL 280	Biostatistics	3	
BIOL 410	Biochemistry (<i>Prerequisite: CHEM 242 and PHYS 107 or 171. Rec: CHEM 330 & 350 or 351</i>)	3	
CHEM 124-124L* and CHEM 125-125L*	General Chemistry I, II and Labs (<i>Prerequisite: high school chemistry or CHEM 114 and high school algebra or MATH 104 and placement by exam</i>)	8	
CHEM 241-241L* and CHEM 242-242L*	Organic Chemistry I, II and Labs (<i>Prerequisite: CHEM 125-125L</i>)	8	
COM 100* or COM 200* or COM 251*	Human Communication in a Diverse Society Interpersonal Communication Public Speaking	3	
ENG 225*	WI/Writing for Science and Technology (<i>Prerequisite: C in ENG 100/100T or ESL 100/100T</i>)	3	
MATH 104* or MATH 104F* or MATH 104G* or MATH 115* or MATH 205* or MATH 206*	Precalculus Mathematics (<i>Prerequisite: Recommendation in Math Placement Test</i>) Precalculus I: Functions (<i>Prerequisite: Recommendation in Math Placement Test</i>) Precalculus II: Trigonometry & Geometry (<i>Prerequisite: Recom. in Math Placement Test</i>) Applied Calculus (<i>Prerequisite: Recommendation in Math Placement Test</i>) Calculus I (<i>Prerequisite: Recommendation in Math Placement Test</i>) Calculus II (<i>Prerequisite: C in MATH 205 or recommendation in Math Placement Test</i>)	3/4	
PHYS 106-170L*	College Physics I and Lab (<i>Prerequisite: 3 years of high school math and placement test</i>)	4	
PHYS 107-171L*	College Physics II and Lab (<i>Prerequisite: PHYS 106-170L</i>)	4	
ELECTIVES			2 to 5 hours
<i>Some suggested electives are other Animal Science courses not listed as requirements, other agricultural courses (AGEC 221 and AGRN 410) and other biology courses.</i>			

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: _____		

