



**ANIMAL SCIENCE Specialty  
PRE-VETERINARY MEDICINE Curriculum  
Effective Fall 2004**

<b>STUDENT NAME:</b>		<b>ADVISOR NAME:</b>	
<p><b>REQUIREMENTS for GRADUATION:</b> 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.</p>			
<b>COURSE NUMBER</b>	<b>COURSE TITLE</b>	<b>CREDIT HOURS</b>	<b>SEM/YR COMPLETED</b>
<p><b>GENERAL EDUCATION REQUIREMENTS (see UH-Hilo General Education Requirements)</b> <span style="float: right;"><b>40 hours</b></span> <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></p>			
ENG 100 ENG 100T ESL 100	or or English Composition	3	
	Quantitative Reasoning (100 or 200 level Math, except 199 or 299) <i>MATH course taken under the Supplemental Requirements also applicable here.</i>	3/4	
AG 230 ANTH 100 ENG 253, 254 GEOG 102 HIST 151, 152 KInd 240 MUS/ANTH 170	or 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 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	
<b>Requirements for Major</b>		<b>including GE Courses, 123 hours</b>	
<b>AGRISCIENCE REQUIREMENTS</b>		<b>39 hours</b>	
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 124-125</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 124</i> )	3	
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	

COURSE NUMBER	COURSE TITLE	CREDIT HOURS	SEM/YR COMPLETED
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, 354 and 355</i> )	3	
ANSC 342 ANSC 351 ANSC 353 ANSC 354 ANSC 355	Animal Science Production: THREE Courses TOTAL of 9 hours	3	
		3	
		3	
<b>SUPPLEMENTAL REQUIREMENTS</b>			<b>53 to 55 hours</b>
BIOL 101-101L* or BIOL 153-153L*	General Biology and Lab General Botany and Lab	4	
BIOL 150-150L*	Principles of Zoology and Lab	4	
BIOL 275-275L*	Fundamentals of Microbiology and Lab	4	
BIOL 410	Biochemistry ( <i>Prerequisite: BIOL 125 or 270, CHEM 242 and PHYS 107 or 171</i> )	3	
CHEM 124-125* and CHEM 124D-125D and CHEM 124L-125L*	General Chemistry I, II and Discussions and Labs ( <i>Prerequisite: high school chemistry or CHEM 114 and high school algebra or MATH 104 and placement by exam</i> )	10	
CHEM 241-242* and CHEM 241L-242L*	Organic Chemistry I, II and Labs ( <i>Prerequisite: CHEM 125-125L</i> )	8	
COM 100* or COM 151* or COM 200* or COM 251*	Human Communication in a Diverse Society Introduction to Speech Communication Fundamentals of Interpersonal Communication Public Speaking	3	
ENG 225*	WI/Writing for Science and Technology ( <i>Prerequisite: ENG 100/ESL 100</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: Elementary Functions ( <i>Prerequisite: 2 years of high school algebra</i> ) Precalculus II: Trigonometry & Analytic Geometry ( <i>Prerequisite: 2 years of high school algebra</i> ) Applied Calculus ( <i>Prerequisite: Recommendation in Math Placement Test</i> ) Calculus I ( <i>Prerequisite: Recommendation in Math Placement Test or C in MATH 104</i> ) Calculus II ( <i>Prerequisite: C in MATH 205 or equivalent</i> )	3/4	
MATH 121* or BIOL 380 or PSY 213*	Introduction to Statistics and Probability ( <i>Prerequisite: Recommendation in Math Placement Test</i> ) Biostatistics Statistical Techniques ( <i>Prerequisite: 2 years of high school algebra or equivalent</i> )	3/4	
PHYS 106* and PHYS 170L*	College Physics I and Lab ( <i>Prerequisite: 3 years of high school math or equivalent</i> )	4	
PHYS 107* and PHYS 171L*	College Physics II and Lab ( <i>Prerequisite: PHYS 106</i> )	4	
<b>ELECTIVES</b>			<b>8 to 10 hours</b>
<i>Some suggested electives are other Animal Science courses not listed as requirements, other agricultural courses (AGEC 221 and AGRN 410) and other science courses (BIOL 125, required for BIOL 410).</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.

<b>SUMMARY:</b>	
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: _____