



**ANIMAL SCIENCE Specialty
SUSTAINABLE LIVESTOCK PRODUCTION 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 SUSTAINABLE LIVESTOCK PRODUCTION 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 15 hours of courses in this section.</i>			
ENG 100 ENG 100T ESL 100 ESL 100T	or or or or English Composition	3	
	Quantitative Reasoning (100 or 200 level Math, except 197, 199V, 299V) <i>MATH 121 taken under the Supplemental Requirements also applicable here.</i>	3	
AG 230 ANTH 100 ENG 253, 254, 275 ENG/WS 201, 202 GEOG 102 HIST 151, 152 KInd 240 POLS 251	or or or or or or or or World Cultures: TWO Courses <i>AG 230 taken under the Agriscience Requirements also applicable here.</i>	3	
		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. <i>AGEC 201 taken under the Agriscience Requirements also applicable here.</i>	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 Agriscience and Supplemental Requirements also applicable here.</i>	3	
		3	
		4	
Requirements for Major			Including GE Courses, 123 hours
AGRISCIENCE REQUIREMENTS			64 hours
AG 230*	Sustainable Agriculture	3	
AG 496	Senior Seminar	1	
AGBU 110	Introduction to Microcomputing for Agriculture	3	
AGEC 201*	Agriculture Economics	3	
AGEC 322	Marketing Agricultural Products (<i>Prerequisite: Introductory course in econ or agricultural econ</i>)	3	
AGEC 330	Farm Management	3	

COURSE NUMBER	COURSE TITLE	CREDIT HOURS	SEM/YR COMPLETED
AGEN 231	Introduction to Agricultural Mechanization	3	
AGRN 310 AGRN 410	or Agronomic Crop Production in the Tropics (<i>Prerequisite: HORT 262</i>) Soil-Plant-Herbivore Interrelations (<i>Prerequisite: ANSC 141, BIOL 175 or HORT 262</i>)	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	
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 of the following: ANSC 342, 351, 353 and 355</i>)	3	
ANSC 342 ANSC 351 ANSC 353 ANSC 355	or or or or Animal Science Production: THREE Courses TOTAL of 9 hours	3	
		3	
		3	
HORT 262*	Principles of Horticulture	3	
SOIL 304	Tropical Soils (<i>Prerequisite: CHEM 114 or 124</i>)	3	
SUPPLEMENTAL REQUIREMENTS			24 to 25 hours
BIOL 175-175L*	Introductory Biology I and Lab	4	
BIOL 176-176L*	Introductory Biology II and Lab	4	
CHEM 114-114L CHEM 141	or Introductory Chemistry and Lab (<i>Prerequisite: Placement by exams</i>) Survey of Organic Chemistry and Biochemistry	7/8	
CHEM 124*-124L* CHEM 125*-125L*	or 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>)		
CHEM 124*-124L* CHEM 141	General Chemistry I and Lab (<i>Prerequisite: see above</i>) Survey of Organic Chemistry and Biochemistry		
COM 100* COM 200* COM 251*	or or 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 121*	Introduction to Statistics and Probability (<i>Prerequisite: Recommendation in Math Placement Test</i>)	3	
ELECTIVES			16 to 19 hours
<i>Some suggested electives are other Animal Science courses not listed as requirements, other agricultural courses and other science courses. Additional science courses (BIOL 270, BIOL 275, BIOL 380, BIOL 410, BIOL 466, CHEM 241/242, PHYS 106/170L, PHYS 107/171L, MATH 104) would be useful if you decide later to apply for M.S. or D.V.M. program after graduation.</i>			

NOTE: ANSC 141 must be completed before taking other Animal Science classes.
AG 496 may be taken before senior year.

*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: _____		