



## ANIMAL SCIENCE Specialty LIVESTOCK PRODUCTION Track

Effective Fall 2011

<b>STUDENT NAME:</b>		<b>ADVISOR NAME:</b>	
<b>REQUIREMENTS for GRADUATION:</b>			
To earn a Bachelor of Science Degree in Agriculture with a specialization in ANIMAL SCIENCE with a LIVESTOCK PRODUCTION Track, a student must complete a minimum of 123 semester hours with a cumulative GPA of 2.0. Meeting all graduation requirements is the responsibility of the student.			
<b>COURSE NUMBER</b>	<b>COURSE TITLE</b>	<b>CREDIT HOURS</b>	<b>SEM/YR COMPLETED</b>
<b>BASIC GENERAL EDUCATION REQUIREMENTS</b>			<b>18 hours</b>
(See <a href="http://hilo.hawaii.edu/academics/gened/">http://hilo.hawaii.edu/academics/gened/</a> for a listing of qualified courses)			
	ENGLISH COMPOSITION ( <i>Prerequisite: Recommendation in Writing Placement Exam</i> ) One of the following: ENG 100 or 100T or 100H or ESL 100 or 100T	3	
	LANGUAGE ARTS	3	
	QUANTITATIVE REASONING <i>MATH course taken under Supplemental Requirements also applicable here.</i>	TOTAL of 6 hours 3	
	<i>AGBU 110 taken under Agriscience Requirements also applicable here from FALL 2012.</i>	3	
	WORLD CULTURES <i>AG 230 taken under Agriscience Requirements also applicable here.</i>	TOTAL of 6 hours 3	
		3	
<b>AREA GENERAL EDUCATION REQUIREMENTS</b>			<b>19 hours</b>
(See <a href="http://hilo.hawaii.edu/academics/gened/">http://hilo.hawaii.edu/academics/gened/</a> for a listing of qualified courses)			
	HUMANITIES ELECTIVES Two courses in <u>different</u> disciplines	TOTAL of 6 hours 3	
		3	
	SOCIAL SCIENCE ELECTIVES Two courses in <u>different</u> disciplines	TOTAL of 6 hours 3	
		3	
	NATURAL SCIENCE ELECTIVES Two courses in <u>different</u> disciplines including 1 credit hour of laboratory <i>HORT 262 under Agriscience or CHEM 141 taken under Supplemental Requirements also applicable for 3 credits here from FALL 2012.</i>	TOTAL of 7 hours 3	
	<i>CHEM 114/114L or 124/124L or 125/125L taken under Supplemental Requirements also applicable for 4 credits here.</i>	4	
<b>INTEGRATIVE GENERAL EDUCATION REQUIREMENTS</b>			<b>9- 15 hours</b>
(See <a href="http://hilo.hawaii.edu/academics/gened/">http://hilo.hawaii.edu/academics/gened/</a> for a listing of qualified courses)			
	WRITING INTENSIVE REQUIREMENT Three courses designated "WI", one of which must be numbered 300 or above <i>Transfer students, after an official transfer credit evaluation, may be required to take less than 3 courses. ENG 225 under Supplemental &amp; HORT 262 taken under Agriscience Requirements also applicable here.</i>	TOTAL of 3-9 hours 1-3	
		1-3	
		1-3	
	HAWAII PAN-PACIFIC REQUIREMENT	3	
	GLOBAL AND COMMUNITY CITIZENSHIP <i>AG 230 taken under Agriscience Requirements also applicable here. HORT 262 taken under Agriscience Requirements also applicable here from FALL 2012.</i>	3	

COURSE NUMBER	COURSE TITLE	CREDIT HOURS	SEM/YR COMPLETED
<b>Requirements for Specialty</b>		<b>Including GE Courses, 123 hours</b>	
<b>AGRISCIENCE REQUIREMENTS</b>		<b>52 hours</b>	
AG 230+	Sustainable Agriculture	3	
AG 496	Senior Seminar ( <i>May be taken before senior year</i> )	1	
AGBU 110 *	Microcomputing for Agriculture	3	
AGBU 320 or AGEC 330	Agribusiness Management Farm Management	3	
AGEN 231	Introduction to Agricultural Mechanics	3	
AGRN 310 or AGRN 410	Agronomic Crop Production in the Tropics ( <i>Prerequisite: HORT 262</i> ) Soil-Plant Herbivore Interrelationships ( <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	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 342 or ANSC 351 or ANSC 353 or ANSC 355	Animal Science Production: Select THREE courses	TOTAL OF 9 hours	3
ENTO 304	General Entomology ( <i>Prerequisite: BIOL 175 or 176</i> )	3	
HORT 262 +	Principles of Horticulture	3	
SOIL 304	Tropical Soils ( <i>Prerequisite: CHEM 114 or 124</i> )	3	
<b>SUPPLEMENTAL REQUIREMENTS</b>		<b>21 to 23 hours</b>	
BIOL 175-175L	Introductory Biology I and Lab	4	
BIOL 176-176L	Introductory Biology II and Lab	4	
CHEM 114-114L* CHEM 141 * or CHEM 124-124L* CHEM 125-125L* or CHEM 124-124L* CHEM 141 *	Introductory Chemistry and Lab ( <i>Prerequisite: Placement by exams</i> ) Survey of Organic Chemistry and Biochemistry 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> ) General Chemistry I and Lab ( <i>Prerequisite: see above</i> ) Survey of Organic Chemistry and Biochemistry	7/8	
ENG 225*	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 205* or MATH 206*	Precalculus Math ( <i>Prerequisite: Recommendation in Math Placement Test</i> ) Precalculus I: Elementary Functions ( <i>Prerequisite: 2 years high school algebra</i> ) Precalculus II: Trigonometry & Analytic Geometry ( <i>Prerequisite: Recom. 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	
<b>ELECTIVES</b>		<b>21 to 25 hours</b>	
<i>See your advisor for possible electives.</i>			

\*Can be used for Basic General Education OR Area General Education **OR** Integrative Requirements.

+Can be used for Basic General Education OR Area General Education **AND** Integrative Requirements.