



**ANIMAL SCIENCE Specialty
PRE-VETERINARY Track
Effective Fall 2011**

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 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.			
COURSE NUMBER	COURSE TITLE	CREDIT HOURS	SEM/YR COMPLETED
BASIC GENERAL EDUCATION REQUIREMENTS (See http://hilo.hawaii.edu/academics/gened/ for a listing of qualified courses)			18 hours
	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	
AREA GENERAL EDUCATION REQUIREMENTS (See http://hilo.hawaii.edu/academics/gened/ for a listing of qualified courses)			19 hours
	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>BIOL 275 taken under Supplemental Requirements also applicable for 3 credits here from FALL 2012.</i>	TOTAL of 7 hours 3	
	<i>CHEM 124/124L or 125/125L taken under Supplemental Requirements also applicable for 4 credits here.</i>	4	
INTEGRATIVE GENERAL EDUCATION REQUIREMENTS (See http://hilo.hawaii.edu/academics/gened/ for a listing of qualified courses)			9- 15 hours
	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 taken under Supplemental 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. BIOL 275 taken under Supplemental Requirements also applicable here from FALL 2012.</i>	3	

COURSE NUMBER	COURSE TITLE	CREDIT HOURS	SEM/YR COMPLETED
Requirements for Specialty		Including GE Courses, 123 hours	
AGRISCIENCE REQUIREMENTS		37 hours	
AG 230+	Sustainable Agriculture	3	
AG 375 BIOL 466	or Introduction to Genetic Analysis Genetics (<i>Prerequisite: BIOL 410</i>)	3	
AG 496	Senior Seminar (<i>May be taken before senior year</i>)	1	
AGBU 110 *	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	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 ANSC 351 ANSC 353 ANSC 355	Animal Science Production: Select THREE courses ----- ----- ----- -----	TOTAL of 9 hours 3 3	3 3 3
SUPPLEMENTAL REQUIREMENTS		48 to 49 hours	
BIOL 175-175L	Introductory Biology I and Lab	4	
BIOL 176-176L	Introductory Biology II and Lab	4	
BIOL 275+ -275L*	Fundamentals of Microbiology and Lab	4	
BIOL 280	Biostatistics	3	
BIOL 410	Biochemistry (<i>Prerequisite: CHEM 242 and PHYS 107 or 171. Rec: CHEN 330, 350 or 351</i>)	3	
CHEM 124-124L*	General Chemistry I and Lab (<i>Prerequisite: high school chemistry or CHEM 114 and high school algebra or MATH 104 and placement by exam</i>)	4	
CHEM 125-125L*	General Chemistry II and Lab (<i>Prerequisite: high school chemistry or CHEM 114 and high school algebra or MATH 104 and placement by exam</i>)	4	
CHEM 241-241L	Organic Chemistry I and Labs (<i>Prerequisite: CHEM 125-125L</i>)	4	
CHEM 242-242L	Organic Chemistry II and Labs (<i>Prerequisite: CHEM 125-125L</i>)	4	
ENG 225*	Writing for Science and Technology (<i>Prerequisite: C in ENG 100/100T or ESL 100/100T</i>)	3	
MATH 104* MATH 104F* MATH 104G* MATH 205* MATH 206*	or Precalculus Mathematics (<i>Prerequisite: Recommendation in Math Placement Test</i>) or Precalculus I: Elementary Functions (<i>Prerequisite: 2 years high school algebra</i>) or Precalculus II: Trigonometry & Analytic Geometry (<i>Prerequisite: Recom. in Math Placement Test</i>) or Calculus I (<i>Prerequisite: Recommendation in Math Placement Test</i>) or 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	4	
PHYS 107-171L	College Physics II and Lab (<i>Prerequisite: PHYS 106-170L</i>)	4	
ELECTIVES		7 to 12 hours	
<i>See your advisor for possible electives to help you qualify for pharmacy and medical programs.</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.