



**AQUACULTURE Specialty**  
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 AQUACULTURE, 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>
<b>GENERAL EDUCATION REQUIREMENTS (see UH-Hilo General Education Requirements)</b>				<b>40 hours</b>
ENG 100 ENG 100T ESL 100	or or	English Composition	3	
		Quantitative Reasoning (100 or 200 level Math, except 199 or 299) <i>MATH 121 taken under the Supplemental Requirements also applicable here.</i>	3	
AG 230 ANTH 100 ENG 253, 254 GEOG 102 HIST 151, 152 KInd 240 MUS/ANTH 170	or or or 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 <i>ECON 130 taken under the Supplemental 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	
<b>Requirements for Major</b>			<b>including GE Courses, 123 hours</b>	
<b>AGRISCIENCE REQUIREMENTS</b>			<b>43 hours</b>	
AG 291		Directed Work Experience Program	3	
AG 375 ANSC 445 BIOL 466	or or	Introduction to Genetic Analysis Animal Breeding and Genetics ( <i>Prerequisite: ANSC 141. Rec: MATH 121 or equivalent</i> ) Genetics ( <i>Prerequisite: BIOL 410</i> )	3	
AG 497		Senior Seminar	1	
AGBU 320 AGEC 330	or	Agribusiness Management Farm Management ( <i>Prerequisite: intro course in economics or AGECE, ACC 250</i> )	3	
AGEN 400		Aquaculture Engineering ( <i>Prerequisite: AQUA 262</i> )	4	
ANSC 141*		Introduction to Animal Science	3	
ANSC 244*		Fundamentals of Animal Nutrition ( <i>Prerequisite: ANSC 141 and CHEM 124-125</i> )	3	
ANSC 321		Feeds and Feeding ( <i>Prerequisite: ANSC 141 and ANSC 244</i> )	3	

COURSE NUMBER	COURSE TITLE	CREDIT HOURS	SEM/YR COMPLETED
AQUA 262*	Introduction to Aquaculture ( <i>Prerequisite: MARE 171 or college level biology class</i> )	3	
AQUA 425	Water Quality and Aquatic Productivity ( <i>Prerequisite: CHEM 124</i> )	3	
AQUA 425L	Water Quality and Aquatic Productivity Laboratory ( <i>Prerequisite: previous or concurrent enrollment in AQUA 425</i> )	1	
AQUA 450	Aquaculture Production Techniques ( <i>Prerequisite: AQUA 262 or aquatic ecology</i> )	3	
AQUA 450L	Aquaculture Production Techniques Laboratory ( <i>Prerequisite: previous or concurrent enrollment in AQUA 450</i> )	1	
AQUA 466	Fisheries Science ( <i>Prerequisite: (background in fish biology and aquatic ecology)</i> )	3	
HORT 262*	Principles of Horticulture	3	
HORT 263*	Hydroponics ( <i>Prerequisite: HORT 262</i> )	3	
<b>SUPPLEMENTAL REQUIREMENTS</b>			<b>45 hours</b>
BIOL 281 MARE 373 MARE 382	or or or General Ecology ( <i>Prerequisite: BIOL 150 or 153. Rec: high school algebra or equivalent</i> ) Pelagic Ecology ( <i>Prerequisite: sophomore standing and MARE/BIOL 171 and MARE 201</i> ) Benthic Ecology ( <i>Prerequisite: sophomore standing and MARE/BIOL 171 or equivalent</i> )	3	
BIOL 380 MARE 250* MATH 121*	or or Biostatistics Statistical Applications in Marine Science ( <i>Prerequisite: MARE/BIOL 171 or MARE 201 and CS 102</i> ) Introduction to Statistics and Probability ( <i>Prerequisite: Recommendation in Math Placement Test</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 141-141L*	Survey of Organic Chemistry and Biochemistry & Lab ( <i>Prerequisite: CHEM 114 or high school chemistry</i> )	4	
COM 100* COM 151* COM 200* COM 251*	or or or Human Communication in a Diverse Society Introduction to Speech Communication Fundamentals of Interpersonal Communication Public Speaking	3	
ECON 130*	Introduction to Microeconomics	3	
ENG 225*	WI/Writing for Science and Technology ( <i>Prerequisite: ENG 100/ESL 100</i> )	3	
MARE 171*	Marine Biology ( <i>Prerequisite: previous or concurrent enrollment in BIOL 125</i> )	3	
MARE 371	Biology of Marine Invertebrates ( <i>Prerequisite: BIOL/MARE 171 or BIOL 150 or their equivalent</i> )	3	
MARE 372	Biology of Marine Plants ( <i>Prerequisite: BIOL/MARE 171 or BIOL 153</i> )	3	
MARE 484	Biology of Fishes ( <i>Prerequisite: BIOL/MARE 171 or BIOL 150 or their equivalent</i> )	3	
PHYS 106-170L*	College Physics I & Lab ( <i>Prerequisite: 3 years of high school math or equivalent</i> )	4	
<b>ELECTIVES</b> (Depending on the number of Agriscience and Supplemental Requirements used also as General Education Requirements)			<b>17 hours</b>

\*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: _____