Student: ID No.: Advisor:

I.	GENERAL EDUCATION (min 40 cr)				III. PROFESSIONAL COURSES (min. 30 d	er total)	
		Course No.	<u>Grade</u>	Cr.	Course Description:	Course No. Grade	Cr. Off:
	Knowledge				Foundational Courses (10 cr that cou	nt as supporting electiv	/es)
	A1. STEM	BIO 101/103			Shellfish Aquaculture	AFS 201 (3,1)	F
	A2. Social and Behavioral Sciences	EEC 105			Finfish Aquaculture	AFS 202 (2,1)	S
	A3. Humanities				Fisheries Science	AFS 215 (2,1)	s
	A4. Arts and Design					, · , ,	•
		<u> </u>	1		Concentration Courses (min. 20 cr; 12	from AFS)	
	Competencies				Suggested Courses for Aquaculture	,	
	B1. Write effectively				Crustacean Aquaculture	AFS 362 (3)	Alt.S(e)
	B2. Communicate effectively				Marine Finfish Aquaculture	AFS 432 (3)	Alt.S(o)
	B3. Mathematical, statistical, computation	MTH			Salmonid Aquaculture	AFS 483 (3)	F
	B4. Information literacy				Topics in Molluscan Aquaculture	AFS 581 (3)	Alt.F(o)
	2 ii iiioiiiiaaoii iitoraoy		1		Advanced Aquaculture Systems	AFS 584 (3)	AltS(e)
	Responsibilities				Suggested Courses for Fisheries Foo	`	1 (5)
	C1. Civic knowledge & responsibility					AFS 321/322	F
	(e.g. MAF100,220)				Fisheries Ecology and Laboratory (3,1)		Alt.F(e)
	C2. Global responsibilities				Fisheries Stock Management (3)	AFS 531 (3)	Alt.S(e)
	C3. Diversity and inclusion (e.g. <i>MAF370</i>)				• , ,	AFS 560 (3)	Alt.S(o)
	Integrate & Apply				Common courses (choose from):	7 ti O 000 (0)	7 3(3)
	D1. Ability to Synthesize (e.g. AFS300, 440)				Diseases of Aquatic Organisms	AFS 300 (3,1)	F
	27.7 tolinty to Cyritinosizo (c.g. 711 Cocc, 770)				Aquaculture and the Environment	AFS 425 (3)	Alt.F(e)
	Grand Challenge				Aqua. Food Production, Philippines	AFS 440 (3)	J-term
	G. Grand Challenge Course	AFS 105G			General Oceanography	OCG 301 (3)	F
	ar arema aremanga arema		1		Marine Biology	BIO 360 (3,1)	F,S
	Additional General Education				Fish Physiology	AFS 486 (3)	F
	Additional General Education				Additional Concentration Course***	Al 0 400 (3)	
	Additional General Education				Additional Concentration Course***		
	Additional General Education				Additional Concentration Course		
			•		IV.INTERNSHIPS/INDEPENDENT PROJE	CTS (min 3, <12)	
					Special Project/Independent Study	AFS 391/2 (1-3)	F,S,Sm
II	. PRE-PROFESSIONAL & BASIC SCIENC	CES			Special Project/Independent Study	AFS 391/2 (1-3)	F,S,Sm
					Special Project/Independent Study	AFS 491/2 (1-3)	F,S,Sm
	A. Introductory Professional Courses (10 credits)			Special Project/Independent Study	AFS 491/2 (1-3)	F,S,Sm
	Foods from the Sea (3,1; F)	AFS105G/106				· /1 - 1	l .
	Intro to Resource Econ (3; F,S)	EEC105			V. SUPPORTING***(min 15) AND OTHER	ELECTIVES	
	Natural Resource Conserv (3; F,S)	NRS100			Skills and Tools (up to 9 cr)		
					Small Boats: Equipment & Operation	AFS 290 (3)	F
	B. Basic Sciences (24 credits)				Basic Scuba Diving	AFS 270 (3)	F,S
	Biology (8 cr)				Research Diving Methods	AFS 433 (3)	F,S
	Principles of Biology I (3; F,S)	BIO 101			Additional supporting and other elec		
	Principles of Biology I Lab (1; F,S)	BIO 103			radinonal capporang and canon cross		
	Principles of Biology II (3; F,S)	BIO 102					
	Principles of Biology II (3, 1, 3) Principles of Biology II Lab (1; F,S)	BIO 102					
	Filliciples of Biology II Lab (1, F,S)	BIO 104			Planning for Academic Success	URI101 (1)	F
	Chemistry (4 cr)				Training for Academic Odecess	ORTIOT (1)	
	CHM 101 or 103 (3, F,S)	CHM					
	CHM 102 or 105 (3, 1, 5)	CHM			* Some courses may count for more than one ca	atagany If so do not double	lo.
	Criivi 102 01 103 (1, 1, 3)	CI IIVI			count credits in the total count.	ategory. If so, do not double	ie
	Additional Basic Sciences** (min 12 cr)				** Suggested Basic Science (check General E	ducation catalog)	
	Mathematics (MTH103/111/131/141)	MTH			Math: Calculus (MTH131) is required for a fisheri	=-	
	Additional Basic Sci (Physical Sciences)				MTH103 or MTH111 fulfill the requirement; <u>Chem</u>		e
	Additional Basic Sci (Ecology/Ecosystem)				needed if you plan to go to grad school (e.g. add		
			-		any basic course in Geology (GEO), Oceanograpl		
	Additional Basic Sci (Computational/Stats)	<u> </u>			(OCG), Physics (PHY); <u>Ecology/Ecosystem Scien</u>		
					NRS223, or NRS234G; Computer Sci and Statisti		ΤΑ
					(100, 200, 300 level; e.g. STA220 or STA308).		
	Course Credits Required:						
	Course Credits Completed:				*** Suggested Additional Concentration: 300 o		
					AFS, Marine Bio (BIO), Oceanography (OCG), Ec		
	Approved for Graduation:				Marine Affairs(MAF), Economics(EEC). Suggeste		
					courses 200 or above in Economics (EEC, ECN)	Ruciness (RHS) MAE	

Date:

Anthropology(APG), Marine Bio(BIO), GEO, NRS, OCG, Animal and Veterinary

Sciences (AVS), Sustainable Agriculture & Food Systems (SAF)

B.S. Aquaculture and Fisheries Science- Effective Fall 2018 Sample 4 Year Plan

College of the Environment and Life Sciences

Freshman Year Fall Semester

Course Code Description Cr AFS 105G/106 Food from the Sea Lec/ Lab 4 Principles of Biology I/ Lab BIO 101/103 4 MTH Precalculus or Applied Calculus I 3 **EEC 105** Introduction to Resource Economics 3 *General Education 3 Planning for Academic Success **URI 101** 1 * Counting for General Education

Freshman Year Spring Semester

Course Code	Description	Cr	
AFS 202	Finfish Aquaculture	3	
BIO 102/104	Principles of Biology II/ Lab	4	
OCG/GEO	Basic Science (Physical Sci)	3	
	*General Education (e.g. AFS132G)	3	
	*General Education	3	
* From General Education Course Offerings			

Year 1 Milestones: Earn at least 30 credits and a GPA of 2.0 or higher. Meet with your Advisor for AFTC option discussion.

15

Sophomore Year Fall Semester

	<u>'</u>		
Course Code	Description	Cr	
AFS 201	Shellfish Aquaculture	3	
NRS 100	Natural Resource Conservation	3	
CHM 103/105	Introduction Chemistry Lecture/Lab	4	
	Supporting Elective (e.g. skills)	3	
	*General Education	3	
		16	

Sophomore Year Spring Semester

Course Code	Description	Cr	
	Concentration Course	3	
	Concentration Course	3	
e.g. BIO 262	Basic Science (Ecology/Ecosystem)	4	
	Supporting Elective (skills)	3	
	*General Education	3	
		16	

Year 2 Milestones: Earn at least 64 credits and a GPA of 2.0 or higher. Meet with your Advisor to dicuss major, internships and research opprtunities.

Junior Year Fall Semester

Course Code	Description	C-	
Course Code	Description	Cr	
	Concentration Course	3	
	Concentration Course	3	
	Supporting Elective	3	
	Basic Science (Computer Sci/Stats)	3	
	*General Education	3	
		15	

Junior Year Spring Semester

Course Code	Description	Cr	
	Concentration Course	3	
	Concentration Course	3	
	Supporting Elective	3	
	**Special Projects or Internship	3	
	*General Education or Elective	3	
** could be done in the Summer			

Year 3 Milestones: Earn at least 85 credits and a GPA of 2.0 or higher. Meet with your Advisor to prepare intent to graduate application for fall submission.

Senior Year Fall Semester

Course Code	Description	Cr	
	Concentration Course	3	
	Concentration Course	3	
	Supporting Elective	3	
	Basic Science	3	
	*General Education or Elective	3	
		15	

Senior Year Spring Semester

Course Code	Description	Cr	
	Concentration Course	3	
	Supporting Elective	3	
	Supporting Elective	3	
	*General Education	3	
	Elective	3	
		15	

Year 4 Milestones: Earn 120 credits and a GPA of 2.0 or higher in CUM and CON. Complete all remaining required courses.

Total Credits to Graduate =

120