

In Effect 2013

Fisheries and Allied Aquacultures (FISH)

Fisheries and Allied Aquacultures Emphasis

Freshman Year

Fall	Spring	Summer
ENGL 1100 English Comp I	3 ENGL 1120 English Comp II	3
Core History I+	3 Core History II+	3
BIOL 1020 Princ. Of Biology*	4 BIOL 1030 Organismal Biology*	4
BIOL 1021 Princ. Of Biology Lab	0 BIOL 1031 Organismal Biology Lab	0
MATH 1610 Calculus	4 PHYS 1000 Found. Of Physics	4
FISH 1100 Fish Orientation*	1 PHYS 1001 Found. Of Physics Lab	0
	Free Elective	2
	15	16

Sophomore Year

Fall	Spring	Summer	
ENGL Core Literature	3 Core Humanities (Fine Arts)	3 FISH 2100 Intro to Fish Science	3
Core Humanities (PHIL)	3 BIOL 3060 Princ. Of Ecol. *	4	
CHEM 1030 Fund. Of Chem I	3 CHEM 1040 Fund. Of Chem. II	3	
CHEM 1031 Chem Lab I	1 CHEM 1041 Chem Lab II	1	
COMM 1000 Public Speaking	3 ECON 2020 Princ. Of Microecon	3	
Free Elective	2		
	15	14	3

Junior Year

Fall	Spring	Summer
FISH 5220 Water Science*	3 FISH 5320 Limnology*	4
STAT 2510 Stat. Biol. & Health	3 Directed Science Elective++	4
Core Social Science**	3 CHEM 2030 Organic Chem	3
Emphasis	3 Emphasis	4
Free Elective	2	
	14	15

Senior Year

Fall	Spring	Summer
FISH 5380 Gen. Ichthyology*	4 Emphasis	10
Emphasis	4 Free Elective	3
FISH 3950 Careers in Fisheries*	1	
FISH 5510 Fish. Bio. & Mgt.*	4 UNIV 4@@0 Agri. Under. Grad	0
Free Elective	2	
	15	13

Total Hours: 120

*Required Courses in Fisheries Major (courses in bold used to calculate GPA in major)

Career Tracks: Undergraduate FISH majors may select one of four career tracks:

I. Aquaculture

II. Aquatic Resources Management

III. Fisheries Management

IV. Pre-Professional Option (different Curriculum Model from above)

+student must take both courses in a sequence

**Students will chose from the following: ANTH 1000, GEOG 1010/1017, PSYC 2010, SOCY 1000/1007, or UNIV 2720/2727

Direct. Science Electives: ANSC 3400 Ani. Nutri. BIOL 3010 Comp. Anat. BIOL 3100 Plant Biology BIOL 3200 Microbiology or advisor approval

Career Track Emphasis Courses

Aquaculture	Aquatic Resource Management	Fisheries Management	
FISH 5210 Prin. Of Aquaculture	3 BIOL 3000 Genetics	4 BIOL 3000 Genetics	4
FISH 5240 Hatchery Management	4 FISH 5410 Intr to Fish Health	3 FISH 5410 Intr to Fish Health	3
FISH 5250 Aquaculture Prod	4	FISH 5520 Mgt. of Sm Impound	3
FISH 5410 Intr to Fish Health	3		
AGEC 4000 Prin of Agribus Mgt	3		
ACCT 2810 Fund of Acct	3 AGRN 2040 Basic Soils	4 BIOL 4020 Vert Biodiversity	4
AGEC 3010 Agricultural Mkt	3 BIOL 3200 Microbiology	4 BIOL 5090 Conservation Biology	3
AGEC 4040 Agricultural Finance	3 BIOL 3030 Evol and Systematics	3 BIOL 5550 Wetland Biology	4
AGEC 4070 Agricultural Law	3 BIOL 4020 Vert Biodiversity	4 FISH 4920 Internship in Fisheries	1-10
BCHE 3200 Biochemistry	3 BIOL 4010 Invert Biodiversity	4 FISH 5210 Prin of Aquaculture	3
BIOL 3000 Genetics	4 BIOL 5550 Wetland Biology	4 FISH 5240 Hatchery Mgt	4
BIOL 3010 Comparative Anat	3 BIOL 5090 Conservation Biology	3 FISH 5670 Fisheries Extension	2
BIOL 3200 Microbiology	4 ENTM 3040 Gen Entomology	4 FORY 3440 Environmental Law	3**
ECON 3020 Intermediate Micro	3 CIVL 3220 Fund of Water/Wast Treat	4 FORY 5240 Watershed Mgt	2
CHEM 2080 Organic Chem II*	3 FISH 5210 Prin of Aquaculture	3 FORY 5470 GIS Applications	2
CHEM 2081 Organic Chem Lab*	1 FISH 4920 Internship in Fisheries	1-5 BIOL 4565 Marine Vert Zoology	4
FISH 5520 Mgt of Small Impound	3 FISH 5520 Mgt of Small Impound	3 FISH 5745 Marine Fisheries Mgt	4
FISH 5630 Facilities in Aqua	3 FORY 3440 Environmental Law	3 FORY 4500 Nat Res Law and Econ	3**
FISH 4920 Internship in Fisheries	1-5 FORY 5240 Watershed Management	2 FORY 5310 Environmental Ethics	3**
FISH 5670 Fisheries Extension	2 FORY 5470 GIS Applications	2 FOWS 5050 Nat Res at Urban Inter	3**
PHYS 1510 General Physics II*	4 BIOL 4565 Marine Vert Zoology	4 WILD 5270 Res. Phil and Pol.	3**
BIOL 2425 Marine Biology	4 BIOL 4575 Marine Ecology	5	
BIOL 4515 Marine Invert Zoology	4		
BIOL 4565 Marine Vert Zoology	4		
BIOL 4575 Marine Ecology	5		
FISH 5215 Marine Aquaculture	2		
FISH 5425 Marine Fish Diseases	4		

*CHEM 2080 and 2081 and PHYS 1510 may be taken only if the student has already taken CHEM 2070 and 2071 and PHYS 1500

**6 hours required for America Fisheries Society Certification. AFS Cert. required for most State and Federal agencies. These courses may be taken for any emphasis.

Bolded courses are required for the specific emphasis