

College of Fisheries Science
Bachelor of Fisheries Science (B.F.Sc.) course curriculum

COURSES: SEMESTER WISE

S. No.	Course No.	Course Title	Credit hour
Semester I			
1	AQC 101	Principles of Aquaculture	2 (1+1)
2	FRM 101 (FS)	Taxonomy of Finfish	3(1+2)
3	FRM 102(FS)	Taxonomy of Shellfish	2(1+1)
4	AEM 101	Meteorology, Climatology and Geography	2(1+1)
5	FEES 101	Statistical Methods	3(2+1)
6	AQC 102	Fundamentals of Biochemistry	3(2+1)
7	AHM 101	Fundamentals of Microbiology	3(2+1)
8	AEM 102	Soil and Water Chemistry	3(2+1)
9	FPT 101	Fish in Nutrition	1(1+0)
10		NCC/NSS activity	2 (0+2)
11	TUT	Tutorial	1 (1+0)
		Total	25(14+11)
Semester II			
1	AQC 103	Elementary Fresh Water Aquaculture	3 (2+1)
2	FRM 103(FS)	Anatomy and Biology of Finfish	3(2+1)
3	AEM 103	Limnology	3(2+1)
4	AEM 104	Marine Biology	3(2+1)
5	FRM 104(FS)	Inland Fisheries	3(2+1)
6	FPT 102	Food Chemistry	3(2+1)
7	FEES 102	Information and Communication Technology	2(1+1)
8	AQC 104	Aquaculture in Reservoirs	2(1+1)
9		Physical Education, First Aid & Yoga Practices	1(0+1) CNC*
10	TUT	Tutorial	1 (1+0)
		Total	23(15+8)
Semester III			
1	FRM 201(FS)	Physiology of Finfish and Shellfish	3(2+1)
2	AQC 201	Fish Food Organisms	2(1+1)
3	AEM 201	Aquatic Ecology, Biodiversity and Disaster Management	3(2+1)
4	AEM 202	Fishery Oceanography	2(1+1)
5	AQC 202	Ornamental Fish Production and Management	2(1+1)
6	FPT 201	Freezing Technology	2(1+1)
7	AQC 203	Genetics and Breeding	2(1+1)
8	AHM 201	Introductory Fish Immunology	2(1+1)

9	FEES 201	Fisheries Economics	3(2+1)
10	FRM 202(FS)	Aquatic Mammals, Reptiles and Amphibians	1(1+0)
11		NCC/NSS activity	2 (0+2)
12	TUT	Tutorial	1 (1+0)
		Total	25(14+11)
Semester IV			
1	AQC 204	Coastal Aquaculture and Mariculture	3(2+1)
2	AHM 202	Therapeutics in Aquaculture	2(1+1)
3	AQC 205	Fish Nutrition and Feed Technology	3(2+1)
4	FPT 202	Fish Canning Technology	2(1+1)
5	FPT 203	Fish Packaging Technology	2(1+1)
6	AHM-203	Fish and Shellfish Pathology	3(2+1)
7	FE 201	Fishing Craft Technology	2(1+1)
8	FEES 202	Fisheries Extension Education	2(1+1)
9	AQC 206	Shellfish Hatchery Management	2(1+1)
10	FEES 203	Communication Skills and Personality Development	1(0+1)
11		Swimming	1(0+1)CAA*
12	TUT	Tutorial	1 (1+0)
		Total	22(12+10)
Semester V			
1	AQC 301	Finfish Hatchery Management	3 (2+1)
2	FRM 301(FS)	Anatomy and Biology of Shellfish	2 (1+1)
3	AHM 301	Pharmacology	3 (2+1)
4	AHM 302	Fish Toxicology	2 (1+1)
5	FRM 302(FS)	Marine Fisheries	3(2+1)
6	FEES 301	Fisheries Co-operatives and Marketing	2(1+1)
7	FE 301	Fishing Gear Technology	2(1+1)
8	FRM 303(FS)	Fish Population Dynamics and Stock Assessment	3(2+1)
9	AEM 301	Coastal Zone Management	2(1+1)
10	TUT	Tutorial	1 (1+0)
		Total	23(14+9)
Semester VI			
1	AQC 302	Introduction to Biotechnology and Bioinformatics	2(1+1)
2	FE 302	Refrigeration and Equipment Engineering	3(2+1)
3	FEES 302	Fisheries Policy and Law	1(1+0)
4	AEM 302	Aquatic Pollution	2(1+1)
5	FE 303	Fishing Technology	2(1+1)
6	FPT 301	Fish Products and Value Addition	3(2+1)
7	FPT 302	Microbiology of Fish and Fishery Products	3(2+1)
8	FE 304	Navigation and Seamanship	2(1+1)
9	FPT 303	Fish By-Products and Waste Utilization	2(1+1)

10	FEES 303	Fisheries Business Management and Entrepreneurship Development	1(1+0)
	TUT	Tutorial	1 (1+0)
		Total	22(14+8)
Semester VII			
		Student READY Programme	
1		In-plant attachment (for 8 weeks)	10 (0+10)
2		Rural Fisheries Work Experience Prog. (for 8 weeks)	8(0+8)
3		Study Tour (in and outside State) (for 4 weeks)	2(0+2)
		Total	20(0+20)
Semester VIII			
1	FE 401	Fundamentals of Aquaculture Engineering	3 (2+1)
2	AHM 401	Microbial and Parasitic Diseases of Fish and Shellfish	3 (2+1)
3	FPT 401	Quality assurance of Fish and Fishery Products	3(2+1)
4		Student READY Experiential Module(concurrent with the semester)	
		This will include capacity building and skill development of the students in planning, development, formulation, monitoring and evaluation of project for entrepreneurial proficiency	
		Skill Development (for one week)	5(0+5)
		Experiential Learning Programme	12(0+12)
5		Project Work	2(0+2)
6		Seminar	1(0+1)
		Total	29(6+23)

Total Credit Hours 180 (84+96)+2 Compulsory Co-curricular Activity

*CCA= Compulsory Co-curricular Activity