

**AQUATIC RESOURCES MANAGEMENT
PROGRAM CURRICULUM (BATCH 2015,2016)**

Total : 139 credits - Level AE1

No.	Courses	Course Code	Credits	LC	PR	Prerequisite
SEMESTER I			22.00	19.00	3.00	
1	Calculus 1	MA001IU	4.00	4.00	0.00	
2	Physics 1	PH013IU	2.00	2.00	0.00	
3	Biology	BT155IU	4.00	3.00	1.00	
4	Chemistry for Engineers	CH101IU	4.00	3.00	1.00	
5	General Chemistry Laboratory	CH102IU	1.00	0.00	1.00	
6	Academic English 1	EN007IU EN008IU	4.00	4.00	0.00	
7	Physical Training 1	PT001IU	3.00	3.00	0.00	
SEMESTER II			22.00	22.00	0.00	
1	Calculus 2	MA002IU	4.00	4.00	0.00	Calculus 1
2	Physics 2	PH014IU	2.00	2.00	0.00	Physics 1
3	Aquatic Ecology	AR101IU	3.00	3.00	0.00	Biology
4	Introduction to ARM	AR102IU	3.00	3.00	0.00	
5	Environmental Science	PE014IU	3.00	3.00	0.00	
6	Academic English 2	EN012IU	4.00	4.00	0.00	AE1
7	Physical Training 2	PT002IU	3.00	3.00	0.00	
SUMMER SEMESTER (YEAR I)			10.00	10.00	0.00	
1	Principles of Marxism	PE011IU	5.00	5.00	0.00	
2	Ho Chi Minh's Thoughts	PE012IU	3.00	3.00	0.00	
3	Revolutionary lines of Vietnamese Communist Party	PE013IU	2.00	2.00	0.00	
SEMESTER III			17.00	12.00	5.00	
1	Genetics	BT162IU	4.00	3.00	1.00	Biology
2	Fish Laboratory and Water Quality Analysis	AR206IU	4.00	1.00	3.00	
3	Critical Thinking	PE008IU	3.00	3.00	0.00	
4	Biochemistry	BT156IU	4.00	3.00	1.00	Biology
5	Fish Classification	AR208IU	2.00	2.00	0.00	Introduction to ARM Aquatic Ecology
SEMESTER IV			16.00	11.00	2.00	
1	Marine Biology	BT220IU	3.00	3.00	0.00	Biology
2	Introduction to Biotechnology	BT150IU	2.00	2.00	0.00	
3	Fish Physiology	AR205IU	4.00	3.00	1.00	Biology Biochemistry
4	Aquatic Microbiology	AR201IU	4.00	3.00	1.00	Biology
5	3 credits from Foundation elective courses		3.00			
SUMMER SEMESTER (YEAR II)			1.00	0.00	1.00	

1	Field Course 1	AR207IU	1.00	0.00	1.00	Aquatic Ecology Fish Laboratory & Water Quality Analysis
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SEMESTER V			15.00	7.00	2.00	
1	Entrepreneurship and Small Business Management	BA154IU	3.00	3.00	0.00	
2	Environmental Impact Assessment	AR311IU	3.00	2.00	1.00	Aquatic Ecology Fish Laboratory & Water Quality Analysis
3	Biostatistics	BT152IU	3.00	2.00	1.00	
4	6 credits from Foundation elective courses		6.00			

SEMESTER VI			17.00	8.00	0.00	
1	Experimental Design	BT206IU	3.00	3.00	0.00	Biostatistics
2	Project Management	IS150IU	3.00	3.00	0.00	
3	Scientific Writing Workshop	BT216IU	2.00	2.00	0.00	
4	9 credits from Professional Elective courses		9.00			

SUMMER SEMESTER (YEAR III)			2.00	0.00	2.00	
1	Internship	AR312IU	2.00	0.00	2.00	Accumulated 90 credits

SEMESTER VII			12.00			
1	12 credits from Professional Elective courses		12.00			

SEMESTER VIII			12.00	0.00	12.00	
	Thesis	BT179IU	12.00	0.00	12.00	Min 110 credits accumulated

Elective courses (at least 9 credits)						Prerequisite
1	Molecular Biotechnology	BT168IU	4.00	3.00	1.00	Genetics
2	Global Climate Changes	AR202IU	3.00	3.00	0.00	Environmental Science
3	Introduction to Business Administration	BA115IU	3.00	3.00	0.00	
4	Principal of Marketing	BA003IU	3.00	3.00	0.00	
5	Business Communication	BA006IU	3.00	3.00	0.00	

Professional Elective (at least 21 credits)						Prerequisite
1	Marine Biotechnology	BT177IU	4.00	3.00	1.00	Marine Biology
2	Fish Nutrition and Feed Formulation	AR308IU	4.00	3.00	1.00	Biology Biochemistry
3	Fish Breeding	AR314IU	4.00	2.00	2.00	Genetics
4	Fish Diseases	AR310IU	3.00	2.00	1.00	Biology Aquatic Microbiology
5	Production and Operations Management	BA164IU	3.00	3.00	0.00	
6	Sales Management	BA032IU	3.00	3.00	0.00	
7	Introduction to Logistic and Supply Chain Management	IS056IU	3.00	3.00	0.00	
8	Integrated Coastal Zone Management	AR306IU	3.00	3.00	0.00	Aquatic Ecology Introduction to ARM
9	Aquariums & Ornamental Fish	AR313IU	3.00	2.00	1.00	Biology

