<table>
<thead>
<tr>
<th>FIRST YEAR</th>
<th>SECOND YEAR</th>
<th>THIRD YEAR</th>
<th>FOURTH YEAR</th>
</tr>
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<tbody>
<tr>
<td><strong>Essential Skills</strong>&lt;br&gt;(12 Credits)&lt;br&gt;Course units in Aquatic Resources Technology&lt;br&gt;(04 Credits)</td>
<td>Provide a thorough background knowledge on inland aquatic resources, their diversity and management; Production technology used in enhancing aquatic resources (i.e. Aquaculture); Living and nonliving ocean resources, utilization and management of aquatic resources</td>
<td>Application of novel technologies of value addition to improve quality of various aquatic resources; Introduction to incubation projects related to aquatic resources</td>
<td>Application of knowledge gained in relevant areas of Aquatic Resources Technology to fulfill local needs, global trends, value addition to natural resources and evolving marketing trends</td>
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<tr>
<td><strong>Broad General Education</strong>&lt;br&gt;(06 Credits)&lt;br&gt;Course units in Aquatic Resources Technology&lt;br&gt;(10 Credits)</td>
<td>Course units in Aquatic Resources Technology&lt;br&gt;(29 credits)</td>
<td>Essential Skills&lt;br&gt;(01 Credit)&lt;br&gt;&amp; Broad General Education&lt;br&gt;(03 Credits)</td>
<td>• Industrial Training (Beginning of the academic year)&lt;br&gt;(06 Credits)</td>
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<td>Essential Skills&lt;br&gt;(03 Credits)&lt;br&gt;&amp; Broad General Education&lt;br&gt;(06 Credits)</td>
<td>Course units in Aquatic Resources Technology&lt;br&gt;(33 credits)</td>
<td>• Research Project (End of the academic year)&lt;br&gt;(08 Credits)</td>
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**First Year**

AQT 111-1 Systematics and Morphometrics

AQT 112-2 Aquatic ecosystems and biodiversity

AQT 101-1 Principles in Aquaculture

EAG 152-0 Agricultural Meteorology and Climatology

AQT 113-3 Biology, Anatomy and Physiology of Aquatic Animals

AQT 114-1 Scientific illustrations

ANS 101-2 Principles of Genetics & Breeding

ANS 102-2 Principles of Food Science & Animal Product Technology

EAG 101-2 Biochemistry

EAG 102-0 Mathematics for Biological Science

**Second Year**

AQT 211-1 Non-living Ocean Resources

AQT 212-2 Introduction to Marine Aquatic Resources

AQT 213-2 Fish Genetics

AQT 214-2 Fish and shellfish nutrition

AQT 221-2 Fish Seed Production and Larval Rearing

AQT 222-2 Aquatic Plants Propagation Technology

AQT 241-1 Aqua Eco Tourism

AQT 251-1 GIS and Remote Sensing Applications on Fisheries and Aquaculture

AQT 201-1 Inland Aquatic Resources and Management

ANS 201-2 Principles of Food Preservation and Processing

**AQT 223-2 Sea Weed Culture**

AQT 224-2 Farm Designing and Construction

AQT 225-2 In-vitro Techniques in Plant Propagation

AQT 232-2 Fish and Shrimp Health Management

AQT 233-2 Water Quality Management

AQT 233-2 Water Quality Management

AQT 202-2 Ornamental Fish Breeding and Production

ANS 202-1 Food Chemistry
Third Year

AQT 311-2 Oceanography and Ocean Resources Technology
AQT 312-2 Population Dynamics
AQT 321-2 Capture Fisheries
AQT 331-2 Fisheries Management
AQT 332-1 Basic Aquatic Microbiology
AQT 341 -2 Intellectual Property Rights and commercialization of Aquatic products
ANS 301-1 Food Microbiology
EAG 301-3 Applied Statistics for Agriculture
AQT 313-1 Hydrography
AQT 333-2 Management of Marine Aquatic Resources
AQT 342-2 Fish Waste Handling and Management

AQT 343-1 Value Addition to Sea weeds
AQT 351-2 Applied Aquatic Biotechnology
AQT 352-2 Fishing Gear Technology
AQT 301-2 Invertebrates Breeding and farming
ANS 302-2 Value addition to Aquatic Products
ANS 303-1 Food Packaging Technology
EMG 383-1 Marketing Strategies
EMG 374-2 Human Resources Management
EAG 326-2 - Agricultural Entrepreneurship

AQT 411-1 Laws, Regulations, Legislation Applicable to Aquatic Resources
AQT 412-1 Fisheries Economics
AQT 413-2 Aquatic and Environmental Microbiology
AQT 431-2 Advanced Techniques in Aquatic Farming Systems
AQT 441-1 Disaster Management
ANS 401-2 Basics in Food Analysis
ANS 402-2 HACCP, Quality Standards & Accreditation
ANS 403-2 Scientific Writing & Project Cycle Management
AQT 451-6 Industrial Training
AQT 452-8 Research Project

Fourth Year