

Approved Discipline Specific Requirements for Fisheries

Standard 1: Governance

Criterion 1-5: The HEI/POE has a documented class size policy and maintains class size that is appropriate for effective management of the teaching-learning-assessment to ensure better attainment of learning outcomes.

Class size (number of students in a class) for theoretical class is maximum is 40

Class size (number of students in a class) for practical/Lab class is maximum is 20

Standard 4: Curriculum

Criterion 4-7: In case of Bachelor degree program curriculum includes minimum 25% of total credits for general education courses with clearly defined course learning outcomes and mapped with PLOs and learning outcome domains of BNQF. In case of Master's degree program curriculum includes minimum 10% of total credits for general education courses with clearly defined course learning outcomes and mapped with PLOs and learning outcome domains of BNQF.

List of general education courses:

(PoE will select appropriate courses considering the PLOs and Graduate attributes.)

1) Bangla - language and culture, 2) Communicative English, 3) ICT, 4) Sociology, 5) Economics, 6) Food Safety, 7) Leadership, 8) Entrepreneurship Development,	9) Public Administration, 10) Human Behavior, 11) Ethics, 12) Climate Change Science, 13) Disaster Management, etc. 14) History of Emergence of Bangladesh 15) Bangladesh Studies
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Criterion 4-9: Provisions of internship/project/dissertation/field work/work integrated learning opportunities are included in the curriculum.

Undergraduate capstone experience:

- 1) Internship for minimum 3 months; or
- 2) Research project (that includes dissertation) for minimum 3 months; or
- 3) Extensive field work for minimum 3 months.

Standard 6: Student Admission & Support Services

Criterion 6-1: The HEI/POE maintains a clearly defined and well-communicated admission policy with transfer and withdrawal provisions, entry requirements that reflect the level of qualifications required to match with the nature of the discipline and mission of the POE. Admission policy is effective to select students who have potentials and are able to afford the academic load to complete the program successfully.

Requisite qualifications for admission into the BSc Fisheries (Hons.) degree program:

- HSC or equivalent (12-years of schooling) with biology, physics, chemistry, math.
- In addition, students will be required to learn swimming within 6 months of admission into BSc Fisheries degree program.

Requisite qualifications for admission into the Master Degree Programs in Fisheries Sciences:

Academic background	1) BSc in Fisheries; or 2) BSc in Marine Biology/Fisheries/Science; or 3) BSc in Oceanography
CGPA requirement (scale 4.0)	Minimum 3.0

Criterion 6-7: POE ensures and facilitates the participation of students in co-curricular activities and community services under the management of the HEI on a regular basis to promote creativity, social responsiveness, leadership qualities, values, molding personality towards holistic development.

List of co-curricular activities and community services:

Students enrolling to BSc fisheries degree program will be required to get actively involved in some of the co-curricular activities from the followings or as guided by the PoE.

- 1) Fisheries discipline-specific club/society
- 2) Debating club
- 3) Sports (swimming, scuba diving, etc.) club
- 4) Cultural activities
- 5) Blood donation club
- 6) English language club
- 7) Rover scouting
- 8) Community services, BNCC, environment/climate club, career club, science club, social works, etc.

Standard 7: Faculty and Professional Staff

Criterion 7-8: The POE maintains ideal combination of faculty with 10% Professor, 20% Associate Professor, 40% Assistant Professor and 30% Lecturer with reasonable teacher student's ratio, depending on the nature of discipline, as necessary for effective teaching learning in the academic program/ discipline.

Teacher-student ratio: up to Maximum **1:12**

Standard 8: Facilities & Resources

Criterion 8-4: Laboratory facilities, instructional technology & software, IT learning facilities that are identified through curriculum mapping as necessary to attain the defined learning outcomes of program and course(s) and to conduct research are in good condition with appropriate safety measures, appropriate, adequate and accessible when needed by the students and faculty members under a policy that ensures timely repair/replacement, supply and continuous improvement.

List of Essential Laboratory Facilities:

- 1) Fish biology, taxonomy & ichthyology
- 2) Fish genetics, biotechnology, breeding
- 3) Fish nutrition

- 4) Fish disease and health management
- 5) Water quality management
- 6) Fisheries resources management
- 7) Fish microbiology
- 8) Fish post-harvest, processing, QC
- 9) Wet lab
- 10) Field lab (equipped with hatchery and pond facilities)
- 11) ICT lab

List of recommended software:

SPSS, MATLAB, R, GIS & RS, NVivo, etc.

List of other facilities recommended for the discipline:

- Fish clinic
- Functional collaborative programs between faculty/ department and the field
- Infrastructures to support extensive field works and practical works with field demonstrations