

## Approved

# Discipline Specific Requirements for Undergraduate and Graduate Program in Forestry

### 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): maximum of 40 for theoretical lecture classes.

In case of sessional/ lab courses, the optimum class size will be a maximum of 20

In case of field work/ external visit, the optimum class size will be a maximum of 40

### 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 a few general education courses:

(POE will select appropriate GED courses considering the Graduate attributes and PLOs):

1. Communicative English	8. Environmental Anthropology
2. Introduction to Environmental Science	9. History and Emergence of Bangladesh
3. Sociology	10. Climatology
4. Surveying	11. Principles of Economics
5. Aerial Photogrammetry, Remote Sensing and GIS	12. Principles and Practices of Ethics
6. Environmental Impact Assessment and Management	13. Entrepreneurship Development
7. Cost and Management Accounting	14. Disaster Management and Risk Assessment
	15. Public Administration

**Criterion 4-9:** Provisions of internship/project/dissertation/field work/work integrated learning opportunities are included in the curriculum.

*Provisions of work/work integrated learning opportunities*

Project Thesis

Field Work Field

## **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 in the Bachelor Degree (Undergraduate) program:**

HSC with Physics, Chemistry Biology and Mathematics

To bridge the gap and to improve requisite qualifications, a short pre-program course/module may be introduced as needed.

**Requisite qualifications for admission in the Master Degree (Graduate) program:**

Candidates seeking admission to a Master program must possess a four-year bachelor degree from a recognized university with 16 years schooling and a minimum CGPA 2.50 in a scale of 4.0 or 2nd class. In addition, applicants having equivalent degrees will be eligible for admission into this program which shall be determined by the MS admission committee/academic committee. A short and comprehensive assessment test (applicable for all) will be taken to select the qualified candidates for the program. Other terms and conditions will be revised periodically by the appropriate authority as and when deemed necessary.

**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.

The followings are some of the co-curriculum activities related to the program

(POE will select the appropriate Co-curricular activities considering the PLOs):

1. Student club
2. Community outreach activities
3. Sports and recreation
4. Physical education (BNCC and others)
5. Exchange program/ visit
6. Leadership events and fair

## **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 should be (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 the Major Laboratories:

1. Soil Science and Nutrient Dynamics Lab
2. Bio-nanomaterial Lab
3. Wood Science Lab
4. Eco-physiology Lab
5. Forest Inventory Lab
6. Forest Engineering Lab
7. Forest Protection, Pathology and Microbiology Lab
8. Silviculture Lab
9. Survey, Design and Drafting Lab
10. Physics Lab
11. Chemistry Lab
12. Environmental Science Lab

**List of other facilities essential for the discipline:**

Forest Nursery, Green House, Woodworking workshop, Experimental plantation site, Agroforestry Demonstration plot.

Field study/ field trip: In addition to ensuring on campus physical and laboratory facilities, a well-designed field trip plan needs to be in place. Semester specific field trip plans should be described in the program to facilitate smooth arrangement of the trips mentioning their objectives, goals and place of visit. These objectives must match with the program and course learning outcomes.