

# Approved Discipline-Specific Requirements for Veterinary Degree Program

## 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: 40

Class size (number of students in a practical class) maximum: 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 the appropriate courses considering the graduate attributes and PLOs)

1) Communicative English	12) Bengali Literature
2) French	13) English Literature
3) German	14) History of Bangladesh
4) ICT	15) World History
5) Sociology	16) Civilization and Culture
6) Anthropology	17) Gender and Development
7) Economics	18) Public Administration and Governance
8) Agribusiness	19) Development Studies
9) Entrepreneurship	20) Human Rights
10) Environmental Science	21) Psychology
11) Bioinformatics	

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

Work integrated learning opportunities:

(a) Field visits related to meat inspection, food safety, farm management and biosecurity, manufacturing process and HACCP principles in pharmaceutical plants, feed mills and processing plants, etc. should be the integral parts of the curriculum.

(b) Supervised ambulatory clinical services should constitute a significant part of the clinical teaching.

(c) Final year students must undertake an internship program for a period of minimum six 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:**

HSC or equivalent with Physics, Chemistry, Biology and Mathematics.

Ideally the admission test should be designed to judge the aptitude of the candidates for veterinary education.

**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 co-curricular activities to support the defined graduates' attributes (GA):**

(POE will encourage students to participate co-curricular activities for holistic development of the graduates)

1) Community service programs like Vaccination Campaign, Veterinary Service Campaign (under the supervision of registered vets) in the rural areas of our country

- 2) Participation in different students' philanthropic clubs or organizations responding to societal needs and environment issues like blood donation, campus cleanliness, etc., as well responding to natural calamities and disasters
- 3) Observance of special days relevant to veterinary science and public health
- 4) Social awareness building programs on issues related to veterinary science and public health
- 5) Academic competitions like Veterinary Olympiad, topical debates, etc.
- 6) Cultural program and games
- 7) Participation in scientific seminar and conferences
- 8) Special events to facilitate the interaction of students with alumni, employers and entrepreneurs

## 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 (Maximum): 1:12

Teacher-student ratio for hospital-based teaching and practice is maximum 1:4

## 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.

### Essential Laboratory Facilities:

1) Anatomy	8) Microbiology
2) Histology	9) Food hygiene and food safety
3) Physiology	10) Pathology
4) Biochemistry	11) Pharmacology & Pharmacy

5) Nutrition	12) Toxicology
6) Genetics & Breeding	13) Epidemiology, etc.
7) Parasitology	14) Andrology & Artificial Insemination (AI) Lab
	15) Phantom Hall Practice on Obstetrics, Gynecology, AI

### **Veterinary teaching hospital:**

The veterinary teaching hospital is an essential component of a veterinary education entity. The hospital must be equipped with necessary facilities for medical and surgical treatment of out-door and in-door patients including:

1. Reception	7. Post operative care rooms
2. Animal inspection rooms	8. Pharmacy and dispensary
3. Stalls and pens for indoor patients	9. Indoor Patient Yeard
4. Clinical pathology laboratory	10. Necropsy room
5. Radiology & Imaging including Ultrasonography laboratory	11. Tutorial class rooms and clinical seminar rooms with audio-visual facilities.
6. Operation theatres for small and large animals	

The veterinary teaching hospital must have vehicles for ambulatory clinical services for on-farm clinical teaching and services.

### **Livestock farms:**

Veterinary education entity must have its own livestock farms for all common livestock species or must have access to such farms for students' practical teaching. The farms should have

- Modern animal sheds for different species of livestock
- Poultry hatchery equipment
- Milking equipment
- Other essential husbandry accessories
- Poultry science laboratory
- Dairy technology laboratory

**Other facilities:**

Veterinary students must have access to either hard copies or digital version of veterinary text books, reference books and journals. The library should have sufficient numbers of hard copies of all the updated text books with e-resources.

The students must have access to computer labs and internet facilities.

**Other requirements that are important for quality education in the discipline:**

Veterinary education in Bangladesh is governed by the Bangladesh Veterinary Council (BVC) as per Bangladesh Veterinary Council Act 2019. Veterinary graduates must get registration from the BVC to practice veterinary medicine, surgery and obstetrics. A veterinary degree offering institute must comply with the minimum standards of veterinary education as defined by the BVC for its graduates to qualify for registration.