

Bangladesh Accreditation Council

Discipline/Subject Specific Requirements for Accreditation of Academic Program

Discipline/Subject: Pharmacy

Program: Bachelor of Pharmacy (B. Pharm) and Master of Pharmacy (M. Pharm)

Standard 1: Governance

Governance system must work in a manner that ensures better management of the program towards the achievement of mission and objectives of the HEI/PoE in a way that effectively benefits the stakeholders.

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 theory is maximum 50

Class size: Number of students in a class for practical is maximum 25

Standard 4: Curriculum

Curriculum must be outcome-based and consistent with the qualifications framework (QF) of Bangladesh for higher education. It should be comprehensive enough to guide the faculty and students towards systematic attainment of learning outcomes and fulfilment of mission and objectives of the PoE.

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

List of some general education courses but are not limited to:

| B. Pharm | M. Pharm |
|---|----------------------------------|
| 1. History of Emergence of Bangladesh | 1. Total Quality Management |
| 2. Introduction of Development of Studies | 2. Gender Studies |
| 3. English Reading, Writing and speaking | 3. Marketing Strategies |
| 4. Public presentation and communication | 4. Health Information Management |
| 5. Foreign Language other than English | |
| 6. Ethics | |
| 7. Human Rights and Governance | |
| 8. Disaster Management | |
| 9. Organizational Behavior | |
| 10. Industrial Management | |
| 11. Food and Nutrition | |
| 12. Psychology | |
| 13. Sociology | |
| 14. Computer Studies and Application | |
| 15. Pharmaceutical Marketing and Management | |

Note: The program offering entity (POE) may select appropriate courses considering program learning outcomes (PLO)/ Course learning outcomes (CLO).

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 medicinal plant, drug warehouse and manufacturing, pharmaceutical marketing, veterinary drug formulation, quality assurance, Drug processing plants, research Institutes etc. can be considered as the integral parts of the curriculum.

(b) Projects/ exhibition/ demonstration of different curriculum related topics.

(c) Final year students must undertake an internship program for a total period of minimum one month in a pharmaceutical industry and Model Pharmacy and/or hospital at national or international level (not less than one week in each field).

Standard 6: Student Admission & Support Services

The HEI/PoE must set appropriate entry requirements and select the right candidates for a particular program under a fair and transparent admission policy. Students must have adequate and appropriate supports for better attainment of learning outcomes, exploring potentials, molding personality and preparing them for the real-life situation with sense of responsibility and integrity.

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 Bachelor of Pharmacy:

1. Completion of HSC or an equivalent program (level 5 of BNQF) or Diploma in Engineering program (level 6 of BNQF).
2. He/she must have Physics, Chemistry and Biology in both of the SSC and HSC or A Level or equivalent exam.
4. Admission test and viva (optional) be designed to judge the aptitude of the candidates for Pharmacy education.

Requisite qualifications for M. Pharm program:

Bachelor of Pharmacy from any UGC approved university or recognized Higher education institution.

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 to support the defined GA:

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| 1. Rotary club | 2. Swimming club |
| 3. Red crescent society | 4. Athletic Club |
| 5. BNCC/Girl's Guide | 6. Language Club |
| 7. Rover scout | 8. Public speaking club |
| 9. Debating club | 10. Green club |
| 11. Blood donation club | 12. Environmental Club |
| 13. Cultural club (Drama, Music etc.) | 14. Career Club |
| 15. Photography society | 16. Philanthropic society |
| 17. Agro-rovers | 18. ICT club |
| 19. Model United Nations (MUN) Associations | 20. Different Olympiad |
| 21. Sports club | 22. Attend in various seminars/conference |
| 23. Paper or book writing club | 24. Observance of special day |
| 25. Painting club | 26. Work as volunteer in alumni etc. |
| 27. Research volunteer | 28. Science club |
| 29. Technical and innovation club | 30. Business startup club |

Note: POE will select appropriate co-curricular activities related to graduate attributes and learning outcomes and encourage students to participate in for holistic development of the graduates.

Standard 7: Faculty and Professional Staff

The HEI/PoE must have a policy to ensure the availability of adequate qualified faculty and professional staff with reasonable teacher student ratio.

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: 1:15

Standard 8: Facilities & Resources

The HEI/PoE must ensure availability and access to the appropriate and adequate facilities & resources necessary for effective teaching learning and research depending on the nature of discipline and program.

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 for B. Pharm program:

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|---|---|
| 1. Inorganic & Physical Pharmacy | 6. Pharmaceutics Technology & Cosmetology |
| 2. Organic Pharmacy & Medicinal Chemistry | 7. Bio-Pharmaceutics & Pharmacokinetics |
| 3. Pharmacognosy & Phytochemistry | 8. Pharmaceutical Microbiology |
| 4. Pharmaceutical Analysis | Research Lab |
| 5. Physiology & Pharmacology | Instrument Room |
| | |

Other facilities and Supporting Labs should include

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|-----------------|---------------------------|
| 1. ICT lab | 2. Medicinal Plant Garden |
| 3. Animal House | |