

# Prospectus



## M.Sc. in Mathematics (Professional) Program Fall-2024 (6<sup>th</sup> Batch)



### Department of Mathematics

Faculty of Science

**Jagannath University**

9-10, Chittaranjan Avenue

Dhaka-1100, Bangladesh

Phone: 01923648256, 01715333373, 01712326886

**www.jnu.ac.bd**

**Online Application:** <https://jnu.ac.bd/dept/portal/web/mathematics>

### 01. Preamble:

The Department of Mathematics, Jagannath University is going to offer an M.Sc in Mathematics (Professional) program to prepare skilled and qualified professionals, especially for recent job markets. The curricula will be formulated by teaching methodologies based on credible thinking to help students maximize their performance.

We have a good number of outstanding faculty members here in the department and we are confident enough in accomplishing our mission and looking forward to an ever-bright professional future of our beloved country.

In order to fulfill the M.Sc degree requirements, a student must achieve a total of 38 credit hours with a minimum CGPA of 2.50, Students should take 36 credit hours of theory course work (12 Courses), and 02 credits of viva-voce. Any six courses will be offered in each semester by the approval of the Academic Committee. 18 credits are scheduled in the 1<sup>st</sup> semester and 20 credits are scheduled in the second semester. The length of study is divided into 2 (two) semesters (6 months per semester). The maximum length of study is 5 (five) years. All courses are to be taught in the weekend.

### 02. Title of the Program and Name of the Degree:

This program is known as **M.Sc. in Mathematics (Professional) Program** and students after completing all the requirements of the program will get degree **Master of Science in Mathematics (Professional)** from the University.

### 03. Objectives of the M.Sc. in Mathematics (Professional) Program:

One of the major objectives of the M.Sc. in Mathematics (Professional) Program of the department is to gather knowledge of the students/professionals in different functional areas of Mathematics.

The Specific objectives of the program are:

- To prepare students of different mathematics-related backgrounds with the necessary skills and techniques for developing careers in the field of Physical Sciences.
- To promote the students' perceptions of various functional areas of Mathematics and develop their understanding of interrelationships among them.
- To prepare skilled and qualified Mathematics professionals not only for the local market but also for the global market.
- To develop the critical thinking, interpersonal communication skills, and leadership qualities of the students to enable them to work efficiently and effectively.

#### 04. Admission Requirements and Procedures:

Eligibility for submission of application for the Admission Test are as follows:

- (a) S.S.C./equivalent and H.S.C./equivalent in the science group with a minimum GPA 2.50 out of 5.0 for each category or second division approved as per government rule or by the Academic Committee of the Department of Mathematics.
- (b) Having a B.Sc. (Hon's) degree in Mathematics/Physics/Statistics/Computer Science/any Engineering Equivalent degree or B.Sc. (Pass) degree with one year preliminary including Mathematics Courses with at least CGPA 2.25 out of 4.0 or 2<sup>nd</sup> class.

Total marks allocated for assessing the application to determine eligibility for admission in the M.Sc. in Mathematics (Professional) Program as under:

|                        |                                   |
|------------------------|-----------------------------------|
| <b>Total Marks</b>     | <b>50 (MCQ: 30 + Written: 20)</b> |
| <b>Allocation Time</b> | 01 Hour                           |

#### 05. Admission Test:

The total marks of the written test are 50. The test will cover the areas of Calculus, Algebra, and Two Dimensional Geometry. Candidates are required to qualify for the written test. Qualifying mark is 40%. Use of a calculator or other devices is strictly prohibited in the Exam Hall.

#### 06. Viva-Voce:

Viva-Voce will be conducted under an arrangement of a predesigned Interview Board. All Candidates must bring all original academic certificates, marks sheets/transcripts, and admit cards for the admission test.

#### 07. Selection for Admission:

Students for admission shall be selected based on the admission test and viva-voce.

#### 08. Seat Capacity:

Eighty (80) students will be admitted in one intake consisting of single/two (02) Sections. The number of students/seats may be changed with time.

#### 9. Academic Year and Semester:

The academic year is divided into two semesters as under:

| Semesters | Duration         |
|-----------|------------------|
| Spring    | January to June  |
| Fall      | July to December |

| Sl. | Head                             | Rate (BDT.)*                             |
|-----|----------------------------------|--|
| 1.  | Registration Fee                 | : Tk. 10,000 (at the time of admission)  |
| 2.  | Semester Fee                     | : Tk. 4,500 (each semester)              |
| 3.  | Seminar Fee                      | : Tk. 3,000 (each semester)              |
| 4.  | Lab Fee                          | : Tk. 3,000 (each Semester)              |
| 5.  | Course Fee (Total 38 Credits)    | : Tk. 2,500 (per credit)                 |
| 6.  | Improvement/In complete          | : Tk. 2,000 per course                   |
| 7.  | Make-up Mid-Term Examination Fee | : Tk. 1,000 per course                   |
| 8.  | Admission Application Form       | : Tk. 1,020 (at the time of application) |

**The total cost will be approximately Tk. 1,26,000/- (One Lac Twenty- Six Thousand only) payable at two semesters.**

\*\* All fees are subject to change

**Special waiver: 25% discount** for the students of the 6<sup>th</sup> batch. After the discount, the total cost will be approximately Tk. **94,500/- (Ninety Four Thousand Five Hundred Only)** payable at two semesters.

**bKash No. for Application Fee Payment: 01712326886**



**Jagannath University**  
**Faculty of Science**  
**Department of Mathematics**  
**Application Form**

**M.Sc. in Mathematics (Professional) Program: Fall-2024**

Attach one copy pp  
size color photo

(To be filled by the office)

Admission Test Roll No.

1. Name of Applicant:.....
2. Mother's Name: .....
3. Father's Name: .....
4. Contact Address: .....
5. Cell Number: ..... 6. E-mail Address: .....
7. Academic Records:

| Examination | Board/University | Group/Subject | Exam. Year | Result |
|-------------|------------------|---------------|------------|--------|
|             |                  |               |            |        |
|             |                  |               |            |        |
|             |                  |               |            |        |
|             |                  |               |            |        |

**Applicant's Signature**

\*Application fee Tk. 1,020/- will be paid at the time of submission of application.



**Jagannath University**  
**Faculty of Science**  
**Department of Mathematics**  
**Admit Card**

**M.Sc. in Mathematics (Professional) Program: Fall-2024**

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size color photo

(To be filled by the office)

Admission Test Roll No.

1. Name of Applicant: .....
2. Mother's Name: .....
3. Father's Name: .....

Applicant's Signature

Signature  
Dean, Faculty of Science  
& Convener  
Admission Committee, Fall-2024