



# CLUSTER INNOVATION CENTRE

(UNIVERSITY OF DELHI)

**M.Sc. (Mathematics Education)**

Rugby Sevens Building, University Stadium, G.C.Narang Road,  
University of Delhi, Delhi-110007, Ph. 27666702

## FAQS ABOUT M.Sc. (MATHEMATICS EDUCATION)

### Q.1. What is Cluster Innovation Centre?

**Ans.** Cluster Innovation Centre (CIC) is a Centre of the University set up by the University of Delhi with the objective of fostering an ecosystem of innovation and connecting research with applications for the benefit of society. The aim of the CIC is to support application-oriented research to solve real world problems by developing ideas into innovative applications successfully. Cluster Innovation Centre (CIC) fosters an environment of innovation and facilitates collaborations and partnerships with industry, academia and other segments of society.

**Presently CIC offers the following programs:**

- B.Tech in IT and Mathematical Innovation
- B.A. Hons in Humanities and Social Sciences
- M.Sc. in Mathematics Education
- Ph.D. in Interdisciplinary Sciences and Humanities and Social Sciences

### Q.2. What are the programme objectives and Programme Learning Outcomes (PLO) ?

**Ans.** The M.Sc. (Mathematics) is an interdisciplinary program that would prepare students to be competent in various facets of mathematics education, including the nature of mathematics and associated disciplinary values, curriculum development, pedagogy, instructional resources (both hands-on and technology aided), Gen AI, and policy perspectives in an inclusive educational framework. The course will develop essential skill-set and competencies to address the issues in the field of mathematics education, and education at large, and to further explore innovations in mathematics education from multiple perspectives. The program aims to prepare mathematics educators who could address the current educational needs, and can contribute as future ready problem solvers, creative thinkers, and pedagogy innovators.

### Programme Learning Outcomes (PLO)

- Develop greater depth and breadth in mathematical domains most directly related to school and undergraduate mathematics;
- Understand mathematics education as an academic and research field learning about multiple facets of the field;
- Develop pedagogical competencies for inclusive classroom practices;
- Acquire skills to effectively use technology for enhancement of learning;
- Develop an understanding of curriculum frameworks writing meaningful course content;
- Develop creative learning resources using 'Hands-on' and 'Minds-on' approach;
- Apply design thinking protocols in preparing learning-teaching resources;
- Develop skills to analyse educational data and infer data driven informed decisions;
- Develop computational skills for need based solutions to educational challenges;
- Experience internship programs in schools and educational setting for real time learning;



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- Develop an understanding of multi-disciplinary and inter-disciplinary approaches to mathematics learning;
- Develop an understanding of game design that can be used for learning mathematics.
- Develop an understanding of various research paradigms to conduct impactful educational research;
- Develop skills to disseminate learning to various stakeholders and to contribute meaningfully in educational and allied field.

The program course structure has a fine balance of foundation courses, elective courses and skill-based courses. The course design is field intensive and provides opportunities for hand-on experiences through internships, projects, practical/practicum and research.

### Q.3. What is the scope of this course?

**Ans.** M.Sc. (Mathematics Education) aims to prepare innovative mathematics educators, who can bring informed change in mathematics pedagogy. The course equips you to/for:

- (i) join school teaching profession if you have passed B.Ed.
- (ii) take NET examination in Education stream and do Ph.D. or M. Phil in Education or in other allied fields.
- (iii) multiple job profiles such as curriculum developer/designer, special educator, assessment specialist, Edtech resource designing and others.
- (iv) be an entrepreneur in mathematics education
- (v) work in education related organization in government/ private sector as consultant.

### Q.4. How is the M.Sc. (Mathematics Education) program at Cluster Innovation Centre different from any other postgraduate course in education?

**Ans.** The M.Sc. (Mathematics Education) is unique blend of contemporary educational theories, mathematical content knowledge, emerging technologies, data science and innovations. The program provides deep understanding of core mathematical concepts, pedagogical approaches fundamental to mathematics learning and innovative ways to support mathematics education for an inclusive learning environment.

### Q.5. How many seats are offered in this course?

**Ans.** There are 30 seats\* in M.Sc. (Mathematics Education). They are distributed category-wise as follows:

General:12, SC: 05, ST: 02, OBC: 08, EWS: 03

\* The University of Delhi has the right to change the number of seats.

### Q.6. What is minimum qualification for taking admission in M.Sc. (Mathematics Education)?

**Ans.** Minimum qualification for taking admission in M.Sc. (Mathematics Education) is Bachelor's degree with at least two courses in Mathematics of minimum total of 08 credits from a recognized university.

### Q.7. What is the procedure of admission in M.Sc. (Mathematics Education) course?

**Ans.** Admission process is as follows:

The CUET - PG entrance test will be conducted by NTA.



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Admission will be done according to the merit list prepared on the basis of the marks secured in the entrance test.

**Q.8. What is the syllabus for Entrance Test for admission in M.Sc. (Mathematics Education) course?**

**Ans.** Refer to <https://exams.nta.ac.in/CUET-PG/> for the syllabus of the CUET paper or DU-PG Admission Bulletin.

**Q.9. Is there an interview for admission?**

**Ans.** No, there will be no interview for admission. Admission in the course will strictly be based on merit based on the performance in CUET-PG entrance test.

**Q.10. What is duration of M.Sc. (Mathematics Education) course?**

**Ans:** M.Sc. (Mathematics Education) is a full-time post-graduation program of 4 semesters with 02 (two) year duration.

**Q.11. Can students in third year of under graduate courses also apply?**

**Ans:** The students appearing in third year of undergraduate degree program (result awaited) can also apply for two years PG programme and appear in the entrance test subject to the condition that they shall fulfill the eligibility criteria before the commencement of classes.

**Q.12. What is the fee structure of the M.Sc. (Mathematics Education) course.**

**Ans.** Annual fee for the course is Rs. 22,375/-. The University of Delhi has the right to change the fee.

**Q.13. When was first batch of M.Sc. (Mathematics Education) started?**

**Ans.** First batch of M.Sc. (Mathematics Education) started in January 2013. The second batch was enrolled in July 2013. Thereafter, new batch is enrolled every year in the month of July.

**Q.14. What is the course structure of M.Sc. (Mathematics Education) course?**

**Ans.** Course structure has been revised as per New Education Policy (NEP2020) this year and is uploaded on CIC website after approval from the University authorities. This new course has been implemented from 2025-26, as per the University guidelines.

**Q.15. From where detailed syllabus and other information can be obtained about the course?**

**Ans.** Details about the course are available on website of Cluster Innovation Centre, University of Delhi (<http://cic.du.ac.in>).

**DISCLAIMER:** All the above information is subject to change as per the relevant decision of University of Delhi in this regard at any point of time.