



MANIPAL UNIVERSITY
JAIPUR

Master of Science (M. Sc.) Mathematics

Admission 2024-25



About the program

The M.Sc. (Mathematics) at the Manipal University Jaipur is a two-year program spanning over four semesters, this program aims to provide interface between pure and applied mathematics and statistics with operations research.

This course has been designed in such a way that they meet the global standards of the mentioned programs offered in other national and international universities of repute follows the credit base course system.

The department strives for balance between teaching, research, and student development. With qualified and committed faculty members, department provides quality education to promote research activities in core and allied areas of Mathematics and Statistics. It enables students to excel in the areas of pure as well as applied Mathematics, Statistics and Operations Research.



More about the Department
Scan the QR Code

Key Highlights of the Program

- This course has been designed in such a way that they meet the global standards of the mentioned programs offered in other national and international universities of repute follows the credit base course system with total of 80 credits.
- The course handout of each course explains the Course Outcomes (CO's), Program Outcomes (PO's), Program Specific Outcomes (PSO's), Assessment Plan, Syllabus, Lecture Plan, and mapping of PO's and PSO's with CO's which provides the better insight of usefulness of courses in respect to the present scenario of employability and skill enhancement.
- The program enables students to undertake advanced courses in mathematics, statistics, Operations Research and their applications. Special topics courses enable students to build the necessary background and techniques in the various areas of pure & applied Mathematics and Statistics.

Prominent Recruiters

- | | |
|---------------------------|---|
| • BYJU's | • TCS |
| • Wipro | • Vedanta |
| • Infosys | • Motion Education Pvt. Ltd. |
| • Upgrade | • Capgemini |
| • Deloitte | • JD-Financial analysts |
| • SAP Labs | • Bhartiya Skill development University |
| • Jaro Education | • The IQVIA Institute for Human Data Science, |
| • Aquan Ltd. | |
| • American Bank Pvt. Ltd. | |
| • LT Foods Ltd. | |

Unique Research and Lab Facilities

- 431 research papers published in SCOPUS/SCI (National and International Journal) up to Dec 2022
- Software facilities SPSS, AMOS, MAPLE, Mathematica, Statcraft

National and International Collaborations

- MUJ has signed over 95 MOUs Academic Institutions & Industries to provide its students international exposure and job opportunities at global level.
- Department collaborated with Mathematical Institute of the Serbian Academy of Sciences and Arts.

Career Opportunities

- Govt. Jobs: Staff selection commission exam for officers at Central government, DRDO and ISRO opportunities, UPSC exam., State Public Service Commission exam.
- Bank exam. (Government and Private banks) for clerk and PO
- Research
- College Lecture after qualifying NET/SLET
- Carrier in IT industry, data scientist, actuarial scientist
- Higher Studies, India and Abroad
- The Manipal Education Group, with its heritage of excellence in higher education for over 60 years, launched Manipal University Jaipur (MUJ) in 2011. MUJ was established on an invitation from the Government of Rajasthan and has been established by an Act (No. 21 of 2011) of State Legislature of Rajasthan as a State Private University as specified by UGC under section 22 of the UGC Act 1956.
- MUJ has best in-class infrastructure, including the state-of-the-art research facilities and a modern digital library. As a multi-disciplinary University, MUJ offers career- oriented courses at UG, PG and Doctoral levels, across diverse streams.
- MUJ has won many Awards and Recognitions in a short span of time like GRIHA Five Star Award conferred by MNRE, Govt. of India, Digital



India - Smart Campus Award given by NDTV-CISCO, Best University Campus Award conferred by ASSOCHAM, Outstanding Contribution to Digital India Award given by The Economics Times, The university also awarded with Best University in Rajasthan Award 2020 in Eminent Engineers Award 2020 by Institution of Engineers (India), Rajasthan State Center, Jaipur.

Fee structure

Tuition fee (p.a.)	Registration Fee (One Time)	Caution Deposit Refundable (One Time)	Total Course Fees (including Caution Deposit)
109,000	10,000	10,000	2,38,000

(International - USD, Total Fee for 2 Years - 5,600)

Eligibility

Candidate must have passed BSc degree from recognized University / Institution or equivalent qualification as recognized by Association of Indian Universities (AIU) or other competent body with minimum of 50% marks in aggregate.

The MUJ EDGE (Why MUJ)

- Best in-class infrastructure, including the state-of-the-art research facilities and a modern digital library
- NAAC A+, AICTE, and UGC Accredited Institution
- All faculty are PhD from reputed institutions and collaboration with international researchers
- The Department of Mathematics and Statistics aims to achieve the following objectives:
 - ❖ Acquire appropriate methods and approaches to study the courses included in both the programs
 - ❖ Nurture and develop employability skills through outcome-based education
 - ❖ Help learners gain knowledge and ideas needed to conduct research in various fields of Mathematics and Statistics
 - ❖ Develop the required analytical, critical, and application-oriented skills with Mathematical and Statistical tools
 - ❖ Prepare students to take national and international level examination related to the discipline



Curriculum (Only Scheme)

Year	FIRST SEMESTER							SECOND SEMESTER						
	Course Code	Course Name	L	T	P	C	Course Code	Course Name	L	T	P	C		
I	MA6111	Advanced Linear Algebra	3	1	0	4	MA6201	Partial Differential Equations	3	1	0	4		
	MA6112	Mathematical Analysis	3	1	0	4	MA6202	Optimization Theory and Techniques	3	1	0	4		
	MA6113	Advanced Differential Equations	2	1	0	3	MA6203	Functional Analysis	3	1	0	4		
	MA6114	Advanced Complex Analysis	3	1	0	4	MA6204	Measure theory & Integration	3	1	0	4		
	MA6116	Topology-I	2	1	0	3	MA6205	Research Methodology & Technical Writing	3	1	0	3		
	MA6118	Dynamics of a Rigid Body	2	1	0	3	MA6230	Lab on Optimization Theory and Techniques	0	0	2	1		
							MA6270	Seminar	0	0	0	1		
			15	6	0	21			15	5	2	21		
Total Contact Hours (L + T + P)			21				Total Contact Hours (L + T + P)			22				
II	THIRD SEMESTER							FOURTH SEMESTER						
	MA7101	Fluid Dynamics	3	1	0	4	MA7270	Project	0	0	0	16		
	MA7102	Special Functions	3	1	0	4								
	MA7103	Integral Equations and Calculus of Variations	3	1	0	4								
	MA7104	Theory of Field Extensions	3	1	0	4								
	*****	DSE -I	2	1	0	3								
	*****	DSE - II	2	1	0	3								
		16	6	0	22									
Total Contact Hours (L + T + P)			22				Total Contact Hours (L + T + P)			0				

Discipline Specific Elective (DSE)	
DSE - I	DSE - II
1. MA7140: Mechanics of Solids	1. MA7143: Topology-II
2. MA7141: Stochastic Process	2. MA7144: Linear Models
3. MA7142: Fuzzy Sets & Their Applications	3. MA7145: Computational Fluid Dynamics
	4. MA7146: Mathematical Statistics

Admission Process



Application form initiated through our website
admissions.jaipur.manipal.edu



Applicants must submit a completed application form with relevant documents within the due date.



Our counsellors will guide candidates through the admission process, which is as per regulatory requirements.



Please visit the FAQ section on our website to know more about the admission process.

Admission Team Contact Details



Hostel Details



For Admission
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MANIPAL UNIVERSITY
JAIPUR
(University Under Section 2(f) of the UGC Act)

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