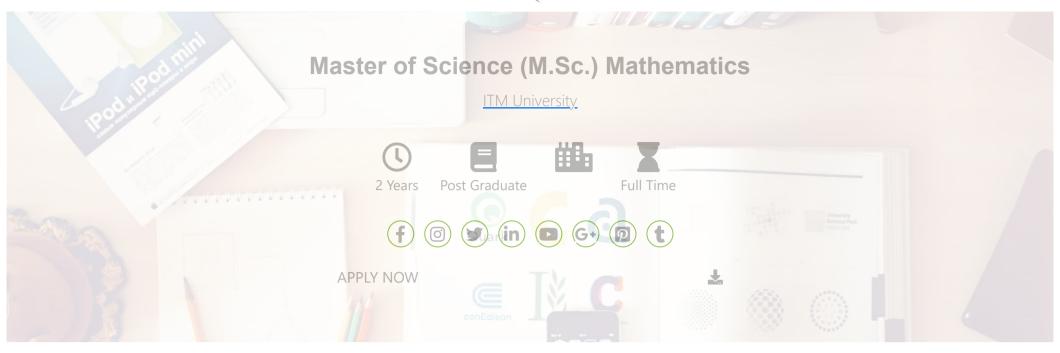




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# Master of Science (M.Sc.) Mathematics

#### What is M.Sc. in mathematics?

Masters of Science in mathematics is a course that aims to provide a detailed knowledge of advanced mathematical problems required for numerous research activities to the students. This course includes complex mathematical concepts and advances the ability of mathematical thinking in students' minds. It is a postgraduate course, and the average fee required to pursue this program is 30,000 to 4, 00,000. If you want to know more about the eligibility criteria, entrance examination and future scope than you are at the right place.

# **Details of M.Sc. in mathematics**

Below is a list of the subjects and the topics included in those subjects that are taught during this program:

During this course you get vast knowledge of different fields of mathematics like; Field theory which consist of Cyclotomic extensions, degree field extensions, theorem of gallus theory, etc., Algebra, Probability theory, Differential geometry, Linear programming, Complex analysis etc.

# **Eligibility criteria for M.Sc. in mathematics**

This program does not require very complex celebration criteria,
All the candidates must have their graduation completed.
The main subjects in their bachelor's degree should include English and mathematics.

There are some colleges where applicants must have secured a minimum of 50% marks in their bachelor's degree from a recognized college or University.







Master of Planning (M.Plan)

APPLY NOW



Master of
Computer
Applications
(MCA) Mobile
Computing

APPLY NOW



Master of Architecture (M.Arch.)

APPLY NOW



Master of Design (M.Des.)

APPLY NOW



Bachelor of Physiotherapy (BPT)

APPLY NOW



Since there is no age criteria, aspirants from any age group can apply for this course.

Some institutions conduct an entrance examination to offer admission to the

And in some institutes, candidates are called for attending a personal interview. However, it depends upon the college that the admission process will be meritbased or entrance-based.

#### Admission process of M.Sc. in mathematics

Official website of the University, students are notified about the release of application forms offline and online.

A candidate has to fill up the form and submits it along with all the required documents.

The admission can be offered directly depending upon the score of a candidate in previous graduation examinations.

In few colleges, admission is given based on the marks scored after cracking an entrance exam conducted by the college.

Some colleges accept lateral entry of candidates, i.e., direct admission in the second year.

# **Scope of M.Sc. in mathematics**

After completing the studies in M.Sc. mathematics, there are numerous fields where a candidate can apply for jobs like aerospace companies, social research institutes, engineering firms, economic research firms, research and development firms, market research firms, pharmaceutical companies, etc. Some of the top recruiting companies that offer jobs in this field are ISI Kolkata, Goodwill solutions, Edudrive, Education services, USM Dhanbad, IIT Delhi, and many more.

If a student is interested in pursuing further higher degrees after completing M.Sc. in mathematics, they can follow the degrees like M.Phil mathematics for PHD mathematics, etc.

#### Career options and job prospects after M.Sc. in mathematics

Interest rate trading strategist: In this post, the work is to determine economic trends in foreign exchange markets.

Quantitative developer: The work of a quantitative developer is to specialize and apply various statistical and mathematical models, for example, quantitative and numerical methods.

Quantitative risk analyst:Provide help organizations for making correct financial decisions by applying quantitative analysis methods.

Professor: That job is to provide knowledge about a course to the students. And also assess and evaluate students by planning assignments and projects. Mathematics specialist:Their implementing and assessing numerous mathematical models.

So, if you are planning to pursue your course in Mathematics after graduation than this course is the best approach. After researching all of the content regarding the same, come up with the idea that job profiles and opportunities in this course is very good. As well as the payment is very decent. It will be a great option to pursue your education without thinking twice.



Campus



University



**Delivery** Mode

Gwalior

ITM University



Type of Course







**Master of Social Work** 

APPLY NOW



**Bachelor of Laws** <u>(LLB)</u>

APPLY NOW



**Master of Library** Science (MLibSc)

APPLY NOW



Master of Law <u>(LLM)</u>

APPLY NOW



BBA (Bachelor of **Business Administration**)

APPLY NOW



**Bachelor of Laws** (LLB)

APPLY NOW



Master of Law (LLM)

APPLY NOW



Master of Fine Arts (M.F.A.)

APPLY NOW



<u>Diploma in</u> <u>Pharmacy</u> (D.Pharm)

APPLY NOW



Bachelor of **Pharmacy** <u>(B.Pharm.)</u>

APPLY NOW



**Bachelor of Education (B.Ed)** 

APPLY NOW



Master of **Education (M.Ed.)** 

APPLY NOW



Master of Social **Work** 

APPLY NOW



The candidate Post
must have Graduate
pursued a
bachelor's

# Syllabyte of Master of Science (M.Sc.) Mathematics

relevant

# Syllabus of MzSeioin mathematics

with 50-60%

Year 1 minimum

aggregate. S.No **Subjects** Real Analysis 1 2 General Topology 3 **Advanced Calculus** 4 Differential Geometry 5 Linear Algebra 6 **Groups and Rings** 7 Number Theory

### Year 2

S.No	Subjects
1	Elements of Functional Analysis
2	Topology
3	Commutative Algebra
4	Theory of Numbers
5	Algebraic Number Theory
6	Galois Theory
7	Differential equations and its applications
8	Algorithms and computations

## **ITM University Highlights**

Established in	1997
University Type	Private University
Recognized by	UGC , AICTE , NCTE , BCI , PCI , COA , INC ,
Courses	74

#### Bachelor of Legislative Law)

APPLY NOW



Master of Library
Science (MLibSc)

APPLY NOW



BBA (Bachelor of Business Administration)

APPLY NOW



Master of Law (LLM)

APPLY NOW



Master of Social Work

APPLY NOW



MBA (Master of Business Administration)

APPLY NOW

# Students also visited



Indian Institute of Technology Indore (IIT Indore), Indore...



Maulana Azad National Institute of Technology, Bhopal...



School of
Planning and
Architecture
Bhopal, Bhopal...



<u>Vikram University,</u> <u>Ujjain...</u>



Pandit S N Shukla University, Shahdol...



Chhindwara
University (CU),
Chhindwara,
Chhindwara...



Atal Bihari
Vajpayee Hindi
University,
Bhopal...



Dharmashastra
National Law
University,
Jabalpur...



Rajmata Vijayaraje Scindia Krishi Vishwa Jaya, Gwalior.