

MATHEMATICIAN

A Mathematician is someone who is trained in the study of numbers and calculations. He or she uses this training to analyze data to solve real-world problems in business, engineering, healthcare, or other fields.

PERSONAL COMPETENCIES



- You are good at Maths
- You like to work with numbers or charts
- You are good at working independently



The approx. course fee ranges between **INR 5,000 - 2,00,000***

**These figures are estimated numbers and will vary from Institute to Institute.*

SCHOLARSHIPS

• National Scholarship Portal - Visit www.scholarships.gov.in. Under this portal there are Central Government schemes, UGC/AICTE Schemes and Assam Government Schemes offered by different departments*

• Visit www.buddy4study.com for details on available scholarships. This is a gateway to scholarships starting from Class XI*

• Scholarships are also available in the institutes based on merit*

**(Availability of these scholarships can vary from time to time)*

LOANS

• VidyaLakshmi, www.vidyalakshmi.co.in, is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Department of Higher Education (Ministry of Human Resource Development) and Indian Banks Association (IBA)

• Some states have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.

• All banks give education loans



ENTRY PATHWAY

1. Complete 10+2 in the Science stream (Physics, Chemistry and Maths)
2. Complete a Bachelor's degree (BSc) in Mathematics

OR

Complete Bachelor's degree followed by a Master's degree (MSc) in the same or related field.

Please check the duration of the course during enrolment



EXPECTED INCOME

**These figures are taken from NCS and are indicative and subject to change*

The approx. salary of a Mathematician ranges between **INR 39,000-65,000*** or more per month.

Source: bit.ly/3IVKxhD



WHERE WILL YOU WORK?

Places of Work: Universities, Colleges, Government and Private Research Centres among others

Work Environment: It is a desk job. You are likely to work in a team. Organizations usually work for 5 to 6 days a week and 8 to 9 hours every day. This may vary from organization to organization. Shift system may be available. Overtime may be required. Part-time work and contractual jobs may be available

Opportunities for work exist for differently abled in this field

EXPECTED GROWTH PATH

Intern → Mathematician → Senior Mathematician → Head of the Department

Search keywords...



mathematician, number scientist, applied mathematician

WHERE WILL YOU STUDY?

This course is offered by the Department of Mathematics. This list of institutes is indicative only

GOVERNMENT INSTITUTES

1. IIT - Guwahati
2. Cotton Univeristy, Silchar
3. Dibrugarh University, Dibrugarh
4. Tezpur University, Tezpur
5. University of Delhi, New Delhi
6. Assam University, Silchar
7. Indian Institute of Technology, Jodhpur
8. Indian Institute of Technology, Kharagpur



PRIVATE INSTITUTES

(Please check if the institute is affiliated and accredited with UGC before applying)

1. Assam Down Town University, Guwahati
2. Royal Global Univeristy, Guwahati
3. St Joseph's College, Bangalore
4. PSG College of Arts and Science, Coimbatore
5. Assam Don Bosco University, Guwahati
6. Dr DY Patil Arts Commerce and Science College, Pune
7. Presidency University, Kolkata
8. St Teresa's College, Ernakulam

Information on the institute rankings can be found at - <https://www.nirfindia.org/2022/Ranking.html>

DISTANCE LEARNING INSTITUTE

Indira Gandhi National Open University (IGNOU)

ONLINE COURSES

- Coursera- <https://in.coursera.org/search?query=mathematics&>
- Udemy - <https://www.udemy.com/courses/search/?src=ukw&q=mathematics>

EXAMPLE FROM THE FIELD

Professor Neena Gupta, a Mathematician at the Indian Statistical Institute in Kolkata, received the Ramanujan Prize for Young Mathematicians in 2022. She did her Bachelor's from Bethune College in 2006, post-graduation in Mathematics from the Indian Statistical Institute in 2008, and subsequently her Ph.D in 2011. She has also been the recipient of the 2022 Nari Shakti Puraskar.*

Source: dst.gov.in/professor-neena-gupta-receives-ramanujan-prize-young-mathematicians

**The above information is for training purposes only and will not be used for any commercial gains*