

## **B.Sc Mathematics:**

The significance of mathematics in our day to day life cannot be neglected. It has gained a wide acceptance and popularity and is used in almost all fields like physics, engineering, business etc. It can be used in its original form like pure mathematics or can be used in the application level. One who has sound base and interest in mathematics can perform well in the technical field. Career opportunities after a course in mathematics are plenty. They include career in statistics, mathematical modeling, cryptography etc.

## **Eligibility:**

The basic eligibility criterion for pursuing B.Sc Mathematics degree is qualifying 10+2 or equivalent examination in Science stream with a minimum of 50% marks secured in Mathematics subject and/or in aggregate from a recognized board of the country.

Also, some reputed colleges and institutes do conduct entrance examination to get admission to their B.Sc Mathematics degree course. Selection to the degree course in these colleges is based on marks secured in the final merit i.e. total marks aggregated in the final exams of 10+2 and the entrance exam.

## **Scope for Higher Studies after B.Sc Mathematics**

There various options available for B.Sc Mathematics graduate to pursue their higher studies. Details of best higher studies options for B.Sc Mathematics graduates are given below.

**M.Sc/Ph.D:** One of the best higher studies option available for the B.Sc Mathematics graduate is to do Master's Degree in Mathematics followed by Ph.D or M.Phil. Thus they can find a promising career in Research or Teaching field. Another option is to do Master's Degree in Economics or Econometrics. This will help them to pursue one of the best career options, Indian Economics Services (IES).

**MCA:** Master of Computer Application (MCA) is the best higher study option for the B.Sc Mathematics graduates who wish to pursue their career in IT sector. Research Agencies like Defense Research and Development Organization prefer MCA graduates with Mathematics background in their Remote Sensing Centers. So MCA is a good higher study option for the graduates in B.Sc Mathematics.

**MBA:** Master of Business Administration (MBA) is the best higher study option for the B.Sc Mathematics graduates who wish to pursue their career in Management field. If they do the specialization in Finance in MBA, then they can reach up to higher positions like Chief Finance Officer in Corporate Sector.



### **Career after B.Sc Mathematics**

Almost all area in the private sector requires students who have done a course in mathematics can enter into these sectors with a strong base in the subject and also according to area of personal interest. Mathematics is required in the business field for solving problems and to create or express theories and techniques. Experts in mathematics encrypt and decrypt codes for military intelligence, gather needed information in financial sector etc.

Teaching profession is widely chosen by many graduates in mathematics. Technical institutions always make use of the knowledge of these graduates to give proper training for their students in their academics .Many companies recruit mathematicians for processing their data, to take care of the financial services of the company and to undertake research. Pure mathematics offer opportunities in

- Software
- Insurance
- Market research
- Education
- Securities
- Banking sector etc.

There are also jobs available for these graduates in government sector. Various exams are conducted by UPSC every year for recruiting these graduates to several posts. Some of those exams are given below

- Tax Assistant exam
- Statistical Investigator exam
- Grade III & Compiler Exam
- Combined Graduate Level Exam

Most popular career option after B.Sc Mathematics is teaching. There are plenty of colleges available in India which provides various courses in Mathematics. So it is easy to get job in this field. For that reason this career option is popular among the graduates of B.Sc Mathematics.

### **B.Sc. (Hons) Mathematics Employment Areas**

Actuarial Sciences

Banks and Investment Firms

Business and Industry

Commerce Industry



Colleges / Universities

Financial Sector

Research and Development Firms

Indian Civil Services

Insurance Agencies

Inventory Management

Statistics

Technical Journals

Utility Companies

**B.Sc. (Hons) Mathematics Job Types**

Actuary

Accountant

Personal Banker

Computer Programmer

Demographer

Economist

Loan Officer

Mathematician

Researcher

Statistician

Technical Writer

Treasury Management Specialist



**Advance Courses in Mathematics**

M.Sc. (Mathematics)

M.Phil. (Mathematics)

Ph.D. (Mathematics)

Best Wishes

Univariety Team

Our goal is to help you make the best decisions regarding your higher education. We will guide you on multiple post college options in India or Internationally. You are advised to take responsibility of your domicile and reservation status and factor that into your decisions. Univariety does not advise on the impact of either domicile or caste based reservation in colleges in India.

