

Parvathaneni Brahmayya
Siddhartha College of Arts and Science, Vijayawada
(Autonomous)

Programme: MSc Mathematics

MSc Mathematics is a 2 year postgraduate Programme. It provides in-depth knowledge of advanced concepts of Mathematics and applied mathematics like Geometry, Algebra, Calculus, Number Theory, Dynamical Systems, Differential Equations etc., and prepare the students for various research activities. It incorporates mathematical thinking in the minds of the students.

MSc Mathematics Job Prospects and Career Options

MSc Mathematics offers different career opportunities to the students. After completing the programme, the student may opt either for higher studies or look for jobs in various sectors. Some of the most popular fields where MSc Mathematics students are offered jobs are :

- Aerospace companies
- Pharmaceutical companies
- Market research firms
- Research and Development Firms
- Economic Research Firms
- Engineering Firms
- Social Research Institutes

Some of the most popular job profiles of MSc Mathematics candidates along with their respective job description and annual salary are :

Mathematics Specialist	The main role of a mathematics specialist is the implementation and assessment of various mathematical models.	INR 3 Lakhs
Professor	A professor's job is to impart knowledge on a course to the students. They also plan assignments for proper assessment and evaluation of the students.	INR 9 Lakhs

Quantitative Risk Analyst	Quantitative Risk Analysts help organizations to make better financial decisions. They do so by applying quantitative analysis methods.	INR 6 Lakhs
Quantitative Developer	A quantitative developer specializes in applying various statistical and mathematical models like quantitative and numerical methods.	INR 7 Lakhs
Interest Rate Trending Strategist	An Interest Rate Trending Strategist determines economic trends in the foreign exchange market.	INR 6 Lakhs

The average salary package for an MSc in Mathematics is around 6-9 LPA. Once the student gains experience, his/her salary may go up to 20 LPA.

- The students pursuing an MSc in Mathematics have a very bright future. They are an indispensable part of various accountancy firms. They also play the role of a financial advisor in various engineering firms.
- MSc in Mathematics also has bright career prospects. After successful completion of the programme, the students may look for jobs in various government and private sectors. They may start to teach at any educational institute. The students may also opt for a Ph.D. and conduct research in a field of their choice.

There are a few further education colleges that you can pursue after MSc Mathematics like Doctor of Philosophy in Applied Mathematics/Mathematics (**Ph.D. Mathematics**), and many more.

Admission Process

Admissions to M.Sc (Mathematics) are done on the basis of merit. The government of Andhra Pradesh notifies the admission process and asks registration for convener quota of 32 seats from the students who are qualified in the PG CET. The remaining 13 seats will be in management quota. For management quota consult the college office or use chat bot for enquiry.

Eligibility

Students who wish to pursue M.Sc. (Mathematics) Programme should fulfil the following eligibility criteria.

- Mathematics as one of the subjects in Under graduation/Mathematics as major.
- They should clear their Under graduation exam from a recognized University.