

GAYATRI VIDYA PARISHAD
COLLEGE FOR DEGREE AND P.G COURSES (A)
DEPARTMENT OF MATHEMATICS
VISAKHAPATNAM

Programme: B.Sc Honours (Mathematics) B.Sc Honours (Mathematics) is a 4-year undergraduate programme that deals with the discipline of mathematics along with the analysis of numbers. The emphasis is on mathematical structure, transition, and space. The career options for the students are opened in the field of analytics, software development, and banks after BSc Honours (Mathematics).

What is BSc Honours (Mathematics)?

BSc Honours (Mathematics) is a 4 year undergraduate degree programme offered to those who have successfully completed a program in mathematics in +2 stage. The minimum eligibility to pursue BSc Mathematics is 10+2 or Intermediate.

It is one of the best programmes for the aspirants who would like to enrich their knowledge in Mathematical concepts. The BSc Mathematics syllabus includes: Algebra, Vector Calculus, Solid Geometry, Graph Theory, Complex Analysis, Real Analysis, Differential Equations, Laplace Transforms etc.

BSc Honours (Mathematics) Jobs & Career Options

BSc Honours (Mathematics) graduates can be employed easily within the organizations immediately after completing their studies. Some of the most sought, working areas for the BSc Mathematics graduates in leading organizations include: Government as well as private sectors, Infosys, Wipro, Accenture, TCS, and Deloitte etc.

Besides the above-mentioned sectors, there are ample opportunities open for the eligible students with BSc Honours (Mathematics).

EMPLOYABILITY HIGHLIGHTS:

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Job Position	Job Description	Average Annual Salary
Mathematician	The mathematicians will be able to expand their knowledge in different areas like algebra and geometry using new rules, theories, and concepts. They apply mathematical theories and derivatives while solving practical problems that arise in day to day business.	INR 2 to 3 Lakhs
Data Analyst	Data Analyst's job is to translate numbers into English so that it is easily understandable. Businesses collect data like sales figures, market research, logistics, or transportation costs and prepare the strategies accordingly. The Data Analysts help the companies in better business decisions makings.	INR 5 to 6 Lakhs
Numerical Analyst	Numerical Analysts apply the knowledge and skills of math and numerical operations while solving monetary and riskmanagement problems in a company.	INR 4 to 5 Lakhs
Cryptanalyst	Cryptanalyst is responsible for creating, setting, and considering algorithms that are designed to solve number theory problems. The main work is to encode messages to conceal data from outside sources.	INR 2 to 4 Lakhs

BSc Honours (Mathematics) Scope:

The demand for the BSc Honours (Mathematics) graduates is soaring high, day by day and the graduates can explore wider career opportunities across different fields. The Banking, Finance, Insurance, Risk Management sectors search for the qualified graduates in this field who can help in making their business more successful. Pursuing a course in BSc Mathematics is a gateway for the graduates to get well-paid jobs.

Post Course Completion Opportunities:

- Research
- Academia
- Technical institutes
- Software Development Companies
- Banks
- Psephology
- Intelligence Bodies
- Banking
- Finance
- Insurance
- Risk Management
- Universities
- Scientific Institutes

After completing BSc Honours (Mathematics) the students can opt for higher studies like MCA, MBA, MSc Computer Science, MSc Mathematics as well.

B.Sc Honours (Mathematics) Admission Process

Admissions to B.Sc Honours (Mathematics) are done on the basis of merit. The government of Andhra Pradesh notifies the admission process and asks registration for convener quota of 21 seats. The remaining 09 seats will be in management quota. For management quota consult the college office or use chat bot for enquiry.

B.Sc Honours (Mathematics) Eligibility

Students who wish to pursue B.Sc Honours (Mathematics) courses should fulfill the following eligibility criteria in order to get through colleges offering B.Sc Honours (Mathematics) course,

Students should clear class 12th board exams with Mathematics as one of the subjects.(MPC, MEC and MBiPC)

They should clear class 12th board exams from a recognized board.

Proposed Minor courses

- Data Science
- Multi Media
- Computer Science
- Bio Informatics
- Data Analytics
- Information Technology
- Computer Applications

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- Big Data
- Cloud Computing
- Animation
- Artificial Intelligence
- Machine Learning
- Statistics
- Chemistry
- Analytical Chemistry
- Organic Chemistry
- Industrial Chemistry
- Physics
- Electronics
- Industrial Electronics
- Internet of things.