



PARVATHANENI BRAHMAYYA SIDDHARTHA COLLEGE OF ARTS AND SCIENCE, VIJAYAWADA (AUTONOMOUS)



B.Sc Honours (Mathematics)



B.Sc Honours (Mathematics) is a 4-year duration undergraduate programme that deals with the discipline of mathematics along with the analysis of numbers. The focus is also on mathematical structure, transition, and space. Students have career options in the field of analytics, software development, and banks after B.Sc Honours (Mathematics).

B.Sc Honours (Mathematics) programme is one of the best programmes for those who want to enhance their awareness regarding Mathematics concepts. The B.Sc Mathematics syllabus includes 23 courses comprising Algebra, Vector Calculus, Solid Geometry, Graph Theory, Complex Analysis, Real Analysis, Differential Equations, Laplace Transforms, among many others.

What is B.Sc Honours (Mathematics)?

B.Sc Honours (Mathematics) is a 4 year undergraduate academic degree programme offered to those graduates who have successfully completed a program in mathematics in +2 stage. The minimum eligibility to pursue B.Sc Mathematics is a 10+2 qualification.

B.Sc Honours (Mathematics) JOBS & CAREER OPTIONS

B.Sc Honours (Mathematics) graduates can get employed easily within the organizations immediately after completing their studies. Some of the most sought, working areas for the B.Sc Mathematics graduates in leading organizations include:

Besides the above-mentioned sectors, there are many other sectors that hunt for the eligible who have completed B.Sc Honours (Mathematics).

The table below describes some of the few job positions that can be considered by the B.Sc Mathematics graduates along with the Average Salary Scale:

B.Sc Honours (Mathematics) SCOPE

The demand for the B.Sc Honours (Mathematics) graduates is increasing day by day and the graduates can explore a wider career opportunity across different fields. The Banking, Finance, Insurance, Risk Management sector hunt for the qualified graduates in this field who can help in making their business more successful. Pursuing a course in B.Sc Mathematics is useful for the graduates to get lucrative job opportunities that give them a smart salary as well.

The industries they can join post completing the course includes:

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

After completing B.Sc Honours

(Mathematics) the students can opt for higher studies like MCA, MBA, M.Sc Computer Science, M.Sc Mathematics as well. There are quite a few postgraduate courses available that can be opted.

JOB POSITION & DESCRIPTION



Mathematician

The mathematicians will be able to expand their knowledge in different areas like algebra and geometry using new rules, theories, and concepts. They are supposed to apply mathematical theories and derivatives while solving practical problems arising that arise in day to day business.

INR 2 to 3 Lakhs

Data Analyst

Data Analyst's job is to translate numbers into plain English so that it can become understood to others. Businesses collect data like sales figures, market research, logistics, or transportation costs and prepare their strategies accordingly. The Data Analysts help the companies in making better business decisions

INR 5 to 6 Lakhs

Numerical Analyst

Numerical Analysts are supposed to apply their knowledge and skills of math and numerical operations while solving monetary and risk management problems in a company.

INR 4 to 5 Lakhs

Cryptanalyst

They are responsible for creating, setting, and considering algorithms that are designed to solve number theory problems. Their main work is to encode messages to conceal data from outside sources.

INR 2 to 4 Lakhs

Software Developer

Design and develop algorithms and software solutions to solve complex problems. Apply Mathematical principles to optimize the performance and efficiency of software systems.

INR 4 to 5 Lakhs



Prominent Institutions for Academic Pursuit in Mathematics

1. Indian Institute of Science (IISc)
2. Chennai Mathematical Institute (CMI)
3. IIT
4. BITS
5. NISER
6. IISER
7. TIFR
8. IMSC, Chennai
9. NIT
10. ISI

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.

Eligibility

Students who wish to pursue B.Sc Honours (Mathematics) courses should fulfil 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.(M.P.C, M.E.C and M.BiPC)

They should clear their Intermediate board exams from a recognized board

Contact : Sri. I.V Venkateswara Rao,
Head of the Department
Mobile: 9866007876

Sri Lt. Venkatesh Akurathi,
Sr.Faculty, Department of Mathematics
Mobile: 9848683512