



# ST. ANN'S COLLEGE FOR WOMEN

(Permanently affiliated to Andhra University)

Recognized under 2(f) of the UGC Act, 1956

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## Bachelor in Science (BSc Mathematics, Statistics, Computer Science)

### Program Outcome:

- Acquire knowledge in Physical Sciences with a thrust on fundamental principles and theories related to various scientific phenomena and their relevance in day-to-day life.
- Graduates attain practical knowledge through hands-on training and project experience to meet the industrial needs.
- Graduates develop critical thinking skills to identify, analyze and solve problems of their core areas using modern tools.
- To enhance arithmetic skills and logical reasoning for better.
- Graduates develop lifelong learning skills with interdisciplinary approach towards sustainable development.
- Ability to communicate effectively the comprehended scientific data and knowledge, write effective reports, design documentation and make effective presentations.
- Apply ethical, moral and social values in personal and professional life leading to highly cultured and civilized society.
- Ability to work effectively as an individual or as a member or Team leader in diverse teams and in multidisciplinary environs.

### Programme Specific Outcomes:

- Students develop problem solving skills and methods and develop logical tools and models used to solve various real life problems.
- Students acquire knowledge of traditional and modern techniques of solving algebraic, transcendental equations, differential and integral equations, which have applications in many disciplines.
- Apply and analyze data using concepts of probability, statistical models, sampling theory, experimental designs, statistical quality control, reliability, optimization techniques, Indian official statistics and vital statistics with modern applied statistical tools and techniques both in learning and research.
- Ability to design and develop software applications to address real time problems using Programming languages, Databases, Operating Systems, and Computer Network Concepts.

After the completion of BSc Math/statistics/Computer Science courses applicants can get following job options

1. Master in Science
2. MCA

### **Mathematics**

1. Lab Supervisor
2. Scientists
3. Consulting Physicist
4. Senior Physicist
5. Lab Chemist
6. Production Chemist
7. Chemical Engineering Associate
8. Researcher
9. Technician
10. Teacher
11. Biomedical Chemist
12. Demographer
13. Statistician
14. Accountant
15. Technical Writer
16. Loan Officer
17. Treasury Management Specialist

### **Statistics**

1. Biostatistician
2. Epidemiologist
3. Research Analyst
4. Biometrician
5. Econometrician

### **Computer Science**

1. Computer Communications Specialist
2. Computer Engineer
3. Consultants
4. Professor
5. Research Analyst
6. System and Security Administrator
7. Database Administrator
8. Data Communication Analyst



Principal

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