



ST.ANN'S COLLEGE FOR WOMEN

(A Catholic Christian Minority Institution, Affiliated to Acharya Nagaarjuna University
Approved by AICTE, New Delhi, Recognised by- UGC (2F) New Delhi)

Accredited by NAAC with 'A' Grade
(THE BEST PROFESSIONAL COLLEGE AWARDED BY ANU)
Amaravathi Road, Gorantla, Guntur-34 (A.P)



B.SC HONOURS (MATHEMATICS)

About the Program

B.Sc Honours in Mathematics is a 4-year course, **our college provides a comprehensive three-year degree** that equips students with solid mathematical knowledge and practical skills. The curriculum includes 15 courses covering topics like Algebra, Vector Calculus, Solid Geometry, Graph Theory, Complex Analysis, Real Analysis, Differential Equations, Laplace Transforms, and more.

This program is ideal for students passionate about mathematics and interested in careers in analytics, software development, banking, finance, and research. It also provides a strong foundation for higher studies in related fields.

Career Opportunities :Graduates of B.Sc Honours (Mathematics) enjoy excellent career opportunities across a wide range of industries.

- ❖ They can work in roles such as Mathematicians, who develop theories and apply mathematical concepts to solve practical problems in business and industry.
- ❖ Numerical Analysts utilize advanced mathematical and numerical techniques for financial modeling and risk management
- ❖ Data Analysts are in high demand for translating complex data into meaningful insights to aid strategic decision-making.
- ❖ Additionally, Cryptanalysts specialize in designing and analyzing encryption algorithms to ensure data security.

Scope & Future Prospects

The demand for mathematics graduates is continuously rising. Graduates can explore careers in banking, finance, insurance, research, academia, technical institutes, software development, intelligence agencies, and scientific research. They may also pursue higher studies such as MCA, MBA, MSc in Computer Science, or MSc in Mathematics.

Admission Process :

The B.Sc Honours Mathematics program has a total of 25 seats, with 18 seats reserved under the convenor quota and 7 seats under the management quota. For admission, you can contact the college office directly, email us, or fill out the Google form provided. Our staff will assist you throughout the process.

Eligibility Criteria:

- ❖ Completion of Class 12th with Mathematics as a subject (**MPC, MEC, or MBiPC**).
- ❖ Completion from a recognized board.

Minor Course : Computer Science

Curriculum Frame Work of B.Sc Honours (Mathematics)w.e.f 2025-2026

Year	Semesters	Major Courses	No. Courses & Credits	Total Credits
I	I	1,2	2 x 4	8
	II	3,4	2 x 4	8
II	III	5,6,7	3 x 4	12
	IV	8,9,10	3 x 4	12
III	V	11,12,13	3 x 4	12
	VI	14,15	2 x 4	8
				60

Minor Title -Business Management

Year	Semesters	Mainor Courses	No. Courses & Credits	Credits
II	III	1	1 x 4	4
	IV	1	2 x 4	4
III	V	3,4	2 x 4	8
	VI	5,6	2 x 4	8
				24

Year	Semesters	Course Name	No. Courses & Credits	Credits
I	I	English Bridge -I	1 x 3	3
	II	English Bridge -II	1 x 3	3
II	III	English Bridge -III	1 x 3	3
				09

Year	Semesters	Course Name	No. Courses & Credits	Credits
I	I	Telugu /Sanskrit/Hin	1 x 3	3
	II	Telugu /Sanskrit/Hin	1 x 3	3
II	III	Telugu /Sanskrit/Hin	1 x 3	3
				09

Year	Semesters	Course Name	No. Courses & Credits	Credits
I	I	SEC-AI Intro.	1 x 4	4
	II	SEC-AI Applications	1 x 4	4
II	III	SEC-	1 x 2	2
	IV	SEC-	1 x 2	2
				12

Year	Semesters	Course Name	No. Courses & Credits	Credits
I	II	Multidisciplinary -1	1 x 2	2
II	III	Multidisciplinary-2	1 x 2	2
III	IV	Multidisciplinary-3	1 x 2	2
				06

Year	Semesters	Course Name	No. Courses & Credits	Credits
I	II	IKS	1 x 2	0
III	V	Valu added -EVS	1 x 2	2
				02
I	II after	CSP	1	
III	VI	Internship	3	

Total Credits for Three Years UG Programme

126



Curriculum Framework for B.Sc (Honours) from A.Y. 2025-26																									
Major+Minor with CSP & 6th sem Internship																									
Semester	Major (4 Cr)			Minor (4 Cr)			AECC (3 Cr)			Multi Disney' (2 Cr)			Skill Enhancement Courses (4Cr/2Cr)			OOTC			(VAC) IKS# Env. Edn* (2 Cr)			Total			
	C	H (T+P)	Cr	C	H (T+P)	Cr	C	H (T+P)	Cr	C	H (T+P)	Cr	C	H (T+P)	Cr	C	H (T+P)	Cr	C	H (T+P)	Cr	C	H (T+P)	Cr	
Sem 1	2	6+4	8				2	8	6				1	4+2	4							5	24	18	
Sem 2	2	6+4	8				2	8	6	1	2	2	1	4+2	4			1#	2	0	7	28	20		
Community Service Project of a minimum of 80 hours with 1 Credits. Student is eligible for Exit Option-1 with the award of Certificate in respective discipline																							1		
Sem 3	3	9+6	12	1	3+2	4	2	8	6	1	2	2	1	2	2						8	32	26		
Sem 4	3	9+6	12	1	3+2	4				1	2	2	1	2	2						6	24	20		
Sem 5	1+2	3+2 6+4	12	2	6+4	8												1*	2	2	6	27	22		
Sem 6	2	6+4	8	2	6+4	8															4	20	16		
Internship/Apprenticeship/OJT a minimum of 180 hours (8 weeks) with 3 Credits. Student is eligible for Exit Option-2 with the award of Degree in respective discipline																							3		
	15		60	6		24	6		18	3		6	4		12				1+1		2	36		126	
Sem 7	3	9+6	12									2	6+4	8	1	2	2	1#	2	0	7	29	22		
Sem 8	3	9+6	12									2	6+4	8	1	2	2	1#	2	0	7	29	22		
4-YR	21		84	6		24	6		18	3		6	8		28	2		4	4		2	50		170	
C	Courses				H	Hours				Cr	Credits				OOTC	Open Online Transdisciplinary									
#	Indian Knowledge Systems - Audit Course										*	Environ Edn													

**Explore the Power of Mathematics and
Computer Science — Unlocking Limitless
Possibilities!**