

**A.S.D. GOVT. DEGREE COLLEGE FOR WOMEN (AUTONOMOUS) KAKINADA – 533 002,
EAST GODAVARI, A.P.**

B.Sc Chemistry Honour s with Single Minor

I & II SEMESTER COURSE STRUCTURE w.e.f from 2025-2026

Year	Semester	Course Code	Title of the Course	No. of Hrs /Week	Max. Marks	Marks in SEE	Marks in CIA	Credits
I	I	CHE25101	Course-1: General Chemistry	3	100	60	40	3
		CHE25101 P	Qualitative Analysis of Simple Salt	2	50	40	10	1
		CHE25102	Course-2: Inorganic Chemistry	3	100	60	40	3
		CHE25102 P	Inorganic Preparations	2	50	40	10	1
	II	CHE25201	Course-3: Organic Chemistry – I (Structural Theory & Hydrocarbons)	3	100	60	40	3
		CHE25201 P	Organic Preparations	2	100	60	40	3
		CHE25202	Course-4: Physical Chemistry – I (States of Matter, Phase rule & Surface Chemistry)	3	50	40	10	1
		CHE25202 P	Physical Chemistry – I Practical	2	100	60	40	3
II	III	CHE24301	Course 5: Fundamentals in Organic Chemistry	03	100	60	40	3
		CHE24301P	Fundamentals in Organic Chemistry - (P)	02	50	40	10	1
		CHE24302	Course 6: Organic Chemistry (Halogen & Oxygen Organic Compounds)	03	100	60	40	3
		CHE24302P	Organic Chemistry (Halogen & Oxygen Organic Compounds)-(P)	02	50	40	10	1
		CHE24303	Course 7: Physical Chemistry-I (Solutions and Electrochemistry)	03	100	60	40	3
		CHE24303P	Physical Chemistry-I (Solutions and Electrochemistry)-(P)	02	50	40	10	1
		CHE24304	Course 8: Inorganic & Physical Chemistry	03	100	60	40	3
		CHE24304P	Inorganic & Physical Chemistry-(P)	02	50	40	10	1

Year	Semester	Course Code	Title of the Course	Hrs/ Week	Max. Marks	Marks in SEE	Marks In CIA	Credits
II	IV	CHE24401	Course 9: Physical Chemistry-II (States of Matter, Phase Rule & surface Chemistry)	03	100	60	40	3
		CHE24401P	Physical Chemistry-II (States of Matter, Phase Rule & surface Chemistry)-(P)	02	50	40	10	1
		CHE24402	Course 10: General & Physical Chemistry	03	100	60	40	3
		CHE24402P	General & Physical Chemistry-(P)	02	50	40	10	2
		CHE24403	Course 11: Nitrogen containing Organic Compounds & Spectroscopy	03	100	60	40	3
		CHE24403P	Nitrogen containing Organic Compounds & Spectroscopy-(P)	02	50	40	10	2

Year	Semester	Course Code	Title of the Course	Hrs/ Week	Max. Marks	Marks in SEE	Marks In CIA	Credits
III	V	CHE23501	Course 12 A: Analytical Methods in Chemistry-Quantitative analysis	03	100	60	40	3
		CHE23501P	Analytical Methods in Chemistry-Quantitative analysis-P	02	50	40	10	1
		CHE23502	Course 13 A: Chromatography and Instrumental methods of Analysis	03	100	60	40	3
		CHE23502P	Chromatography and Instrumental methods of Analysis-P	02	50	40	10	2
		CHE23503	Course 14B: Industrial Chemistry- Fertilisers and Surface coatings	03	100	60	40	3
		CHE23503P	Industrial Chemistry- Fertilisers and Surface coatings -P	02	50	40	10	2

		CHE23504	Course 15B: Industrial Chemistry- Polymers and water analysis	03	100	60	40	3
		CHE23504P	Industrial Chemistry- Polymers and water analysis- P	02	50	40	10	2

SEMESTER – VI LONGTERM INTERNSHIP