Programme Name:

- **B.Sc. Chemistry, Microbiology & Biology**
- **B.Sc. Chemistry, Zoology & Biotechnology**
- **B.Sc. Chemistry, Biotechnology & Biology**
- **B.Sc. Chemistry, Microbiology & Biotechnology**
- **B.Sc. Chemistry, Botany & Zoology**
- **B.Sc. Physics, Chemistry & Mathematics**

Core Subject 1: Chemistry

Summary of Courses in Chemistry from semester 1-6

DEPARTMENT OF CHEMSITRY (COURSES FOR 2027-2030)

Semester 1	Code Number	Title	No of hours of instructions	Number of hours of teaching per week	Number of credits	Continuous Assessment (CA) Marks	End semester marks	Total marks
Theory	CH127	Chemistry I	45	3	3	40	60	100
Practical	CH1P27	Chemistry Practical I	44	3	2	30	20	50

Semester 1	Code Number	Title	No of hours of instructions	Number of hours of teaching per week	Number of credits	Continuous Assessment (CA) Marks	End semester marks	Total marks
Total Number of credits:					5			

Semester 2	Code Number	Title	No of hours of instructions	Number of hours of teaching per week	Number of credits	Continuous Assessment (CA) Marks	End semester marks	Total marks
Theory	CH227	Chemistry II	45	**3**	**3**	**40**	**60**	100
Practical	CH2P27	Chemistry Practical II	44	3	2	30	20	50
Total Number of credits:					5			

Semester 3	Code Number	Title	No of hours of instructions	Number of hours of teaching per week	Number of credits	Continuous Assessment (CA) Marks	End semester marks	Total marks
Theory	CH327	Chemistry III	45	3	3	40	60	100
Practical	CH3P27	Chemistry Practical III	44	3	2	30	20	50
Total Number of credits:					5			

Semester 4	Code Number	Title	No of hours of instructions	Number of hours of teaching per week	Number of credits	Continuous Assessment (CA) Marks	End semester marks	Total marks
Theory	CH427	Chemistry IV	45	3	3	40	60	100
Practical	CH4P27	Chemistry Practical IV	44	3	2	30	20	50
Total Number of credits:					5			

Semester 5	Code Number	Title	No of hours of instructions	Number of hours of teaching per week	Number of credits	Continuous Assessment (CA) Marks	End semester marks	Total marks
Theory	CH527	Chemistry V	45	3	3	40	60	100
Practical	CH5P27	Chemistry Practical V	44	3	2	30	20	50
Practical	CH5S27	Practical Knowledge/Skill	44	3	2	30	20	50
Total Number of credits:					7			

Semester 6	Code Number	Title	No of hours of instructions	Number of hours of teaching per week	Number of credits	Continuous Assessment (CA) Marks	End semester marks	Total marks
Theory	CH627	Chemistry VI	45	3	3	40	60	100
Theory	CH6RM27	Research Methodology	30	2	2	20	30	50
Practical	CH6P27	Chemistry Practical VI	44	3	2	30	20	50
Practical	CH6S27	Practical Knowledge/Skill	44	3	2	30	20	50
Total Number of credits:					9			

Total no. of credits from six semesters from core 1 Chemistry: S1+S2+S3+S4+S5+S6	**36**
Additional Credits – Ignitors, HRD, Outreach and additional credits	**14**
Total no. of credits for optional 1	

Credit Structure - FOR ACADEMIC YEARS– 2027-2030

Semester	Core 1 (Theory+Practical)	Core 2 (Theory+Practical)	Core 3 (Theory+Practical)	Paper 4 Swayam NPTEL	Lang 1	Lang 2	Foundation Courses	Electives	Practical Knowledge/Skill	Elementary research methodology	Total Credits per semester
Sem 1	3+2	3+2	3+2		3	3	2				23
Sem 2	3+2	3+2	3+2	2	3	3	2				25
Sem 3	3+2	3+2	3+2		3	3		2			23
Sem 4	3+2	3+2	3+2	2	3	3		2			25
Sem 5	3+2	3+2	3+2		-	-			2+2+2		21
Sem 6	3+2	3+2	3+2		-	-			2+2+2	2	23
Total Credits	30	30	30	4	12	12	4	4	12	2	140

Credits from 6 semesters	140
Additional Credits	14
Total	154