

**Master of Science Programme
Chemical Biology
Courses of Study applicable from Academic Session 2026-27**

Semester 1

Sl. No.	Course Code	Course Name	Type	Category	Credits			Course Credit
					L	T	P	
1	LS4113	Chemical Biology (Rahul Das, Supratim Datta, Amit Basak)	Theory	Core	3	1	0	4
2	CH4107	Chemical Perspectives of Biological Pathways (Subhajit Bandyopadhyay, Amit Basak)	Theory	Core	3	1	0	4
3	LS3102	Cell Biology (Bidisha Sinha, Malancha Ta)	Theory	Core	3	1	0	4
4	LSXXXX	Immunology (Amirul Islam Mallick, Sumit Sen Santara)/ Epigenetics (Babu Sudhamalla)	Theory	Elective	3	1	0	4
5	LS4114	Chemical Biology Lab I (Rahul Das, Supratim Datta, Rupak Datta)	Laboratory	Core	1	0	3	4
6	CH4124	Bioconjugation lab (Arabinda Chaudhuri, Debasish Haldar)	Laboratory	Core	1	0	3	4
Total Credits								24

***Department Elective**

Sl. No.	Course Code	Course Name	Type	Category	Credits			Course Credit
					L	T	P	
1	LS3101	Immunology	Theory	Elective	3	1	0	4
2	LS4107	Epigenetics	Theory	Elective	3	1	0	4

Semester 2

Sl. No.	Course Code	Course Name	Type	Category	Credits			Course Credit
					L	T	P	
1	LS4204	Advanced Biochemistry and Cellular Metabolism (Rahul Das, Supratim Datta)	Theory	Core	3	0	1	4
2	LS4211	Chemical Ecology (Radhika Venkatesan)	Theory	Core	3	1	0	4

3	CH42XX	Computational Techniques in Chemical Biology (Susmita Roy, Niladri Chakrabarti)	Theory	Core	3	1	0	4
4	LS42XX	Drug Discovery (Subrata Pramanik, Arabinda Chaudhuri, Alakesh Ghosh)	Theory	Core	3	1	0	4
5	CH42XX	Instrumentation in Chemical Biology (Supratim Banerjee Pradipta)	Laboratory	Core	1	0	3	4
6	LS42XX	Chemical Biology Lab II (Rahul Das Supratim Datta)	Laboratory	Core	1	0	3	4
Total Credits								24

Semester 3

Sl. No.	Course Code	Course Name	Type	Category	Credits			Course Credit
					L	T	P	
1	LS5103	Research Methodology (Dipjyoti Das, Radhika Venkatesan, Rituparna Sinha Roy)	Theory	Core	3	0	1	4
2	LS51XX	Project I (Debasish Halдар)	Project	Core	0	0	20	20
Total Credits								24

Semester 4

Sl. No.	Course Code	Course Name	Type	Category	Credits			Course Credit
					L	T	P	
1	CH42XX	Recent Advances in Chemical Biology (Arabinda	Theory	Core	3	0	1	4
2	LS52XX	Project II (Debasish Haldar)	Project	Core	0	0	20	20
Total Credits								24