

**SCHEME OF B.Sc. (HONS) CHEMISTRY 2021-24**

Sem	Course 1	Course 2	Course 3	Course 4	Course 5	Course 6	Course 7	Community Services	GP	Cont hrs	Credits	
I	Effective Communication-I 2.5(2-0-1) CLL 101	Fundamentals of Mathematics 4(3-1-0) MAL 101N	Fundamentals of Physics 4(3-0-2) PYL 102N	Fundamentals of Chemistry 4(3-0-2) CHL 111	Introduction to Statistics 4(4-0-0) MAL 109	Environmental Studies 3(3-0-0) CHL100		CHS101 CS-I	CHR110 1(1-0-0)	24	22.5	
II	Effective Communication-II 2.5(2-0-1) CLL 102	Stereochemistry 3(2-1-0) CHL 102	Biomolecules 3(2-1-0) CHL 601 CHL 103	Basics of Computer Programming 4(3-0-2) MAL 106N	Entrepreneurship 3(2-0-2) BSL 101	Human Values and Professional Ethics 2(2-0-0) CLL 120	Data Analysis 4(3-0-2) MAL 209	CHS102 CS-II (140hrs)* 2 Credit	CHR120 1(1-0-0)	25	24.5	
III	Inorganic Chemistry-I 4(3-0-2) CHL201	Organic Chemistry-I 4(3-0-2) CHL203	Physical Chemistry-I 4(3-0-2) CHL205	Prog. Elec. I 4(3-1-0)	Open Elective I 3(3-0-0)			CHS201 CS-III	CHR210 1(1-0-0)	22	20	
IV	Inorganic Chemistry-II 4(3-0-2) CHL202	Organic Chemistry-II 4(3-0-2) CHL204	Physical Chemistry-II 4(3-0-2) CHL206	Prog. Elec. II 4 (3-1-0)	Open Elective II 3(3-0-0)	Foreign Language 3(1-2-0)		CHS202 CS-IV (140hrs)* 2 Credit	CHR220 1(1-0-0)	25	25	
Summer Internship 3(0-0-6) CHT 208												
V	Inorganic Chemistry-III 4(3-0-2) CHL301	Organic Chemistry-III 4(3-0-2) CHL303	Physical Chemistry-III 4(3-0-2) CHL305	Prog. Elec. III 4(3-1-0)	Open Elective III 3(3-0-0)	Project 4(0-0-8) CHD 311		CHS301 CS-V	CHR310 1(1-0-0)	22	24	
VI	Inorganic Chemistry-IV 4(3-0-2) CHL302	Organic Chemistry-IV 4(3-0-2) CHL304	Prog. Elec. IV 4(3-1-0)	Open Elective IV 3(3-0-0)	Creativity and innovation outcome (1) CHL330	Project 4(0-0-8) CHD 312		CHS302 CS-VI (140hrs) 2 Credit	CHR320 1(1-0-0)	17	23	
		<b>Total</b>									<b>135</b>	<b>142</b>

\*Students can utilize the summer/winter break period to complete the remaining 140 community service hours every year