

Academic year 2024-25

Expected course framework of S.Y.B.Sc. Blended as per NEP2020 Guidelines

Abbreviations used: Theory(T), Prctical(P), Discipline Specific Course(DSC), Discipline Specific Elective(DSE), Open Elective(OE), Ability Enhancement Course(AEC), Skill Enhancement Course (SEC), Vocational Skill Enhancement (VSE), Value Education Course(VEC), Indian Knowledge System(IKS), On Job Training(OJT), Field Project(FP), Community Engagement Practices (CEP), Cocurricular Courses(CC), Research Methodology (RM) and Research Project(RP)

Year 2
(India)

Semester 3			
Course Code	Course Name	Credits	Chemistry major & Biology minor
CHM301	Chemistry: Reactions and Synthesis	2	DSC
CHM302	Chemistry Practical	2	DSC
PHY301	Quantum Mechanics and Thermodynamics	2	DSC
PHY302	Physics Practical	2	DSC
BIO301	Functional Biology of Organisms	2	Minor
BIO302	Biology Practical	2	Minor
MTH301	Vector Calculus and Differential Equations	4	GE/OE +VSC
	(from common basket- same as general B.Sc.)	2	FP
	(from common basket- same as general B.Sc.)	2	AEC
	(from common basket- same as general B.Sc.)	2	CC
Total		22	
Semester 4			
Course Code	Course Name	Credits	Chemistry major & Biology minor
CHM401	Chemistry: Structure and Properties	2	DSC
CHM402	Chemistry Practical	2	DSC
PHY401	Electricity, Magnetism, Special Relativity, and Optics	2	DSC
PHY402	Physics Practical	2	DSC
BIO401	Genetics, Evolution and Ecology	2	Minor
BIO402	Biology Practical	2	Minor
MTH401	Probability and Statistics	4	GE/OE + SEC
	(from common basket- same as general B.Sc.)	2	CEP
	(from common basket- same as general B.Sc.)	2	AEC
	(from common basket- same as general B.Sc.)	2	CC
		22	
After Year 2:-	88 credits + 4 NQSF credits/ internship		
Year 1 (India)			
Year 2 (India)	200 pts credit to Melbourne degree		
After the successful completion of two years, the student has two options			
Option 1			
Third year in the same college		OR	Year 3 at the University of Melbourne