Glocal School of Science

Program Structure (w.e.f. 2023-24)

B.Sc. (Bachelor of Science)

(Physics/Chemistry/Mathematics)

SEMESTER: IV

S. No.	Subject Selection Remarks for Students	Subject	Course Code	Course Title	Teaching Load				Evaluation Scheme		Total
					L	T	P	Credits	Internal	End Sem.	
1	Students are allowed to choose only one subject.	**Major Course (Subject-I) Own Faculty**									
		Physics	B010401T	Perspectives of Modern Physics & Basic Electronics	4	0	0	4	25	75	100
			B010402P	Basic Electronics Instrumentation	0	0	2	2	_	100	100
		Chemistry	B020401T	Quantum Mechanics and Analytical Techniques	4	0	0	4	25	75	100
			B020402P	Instrumental Analysis	0	0	2	2	_	100	100
		Mathematics	B030401T	Differential Equation & Mechanics	5	1	0	6	25	75	100
2	Students are allowed to choose only one subject other than S. No. 1.	**Major Course (Subject-II) Own Faculty (Choose any one)**									
		Physics	B010401T	Perspectives of Modern Physics & Basic Electronics	4	0	0	4	25	75	100
			B010402P	Basic Electronics Instrumentation	0	0	2	2	_	100	100
		Chemistry	B020401T	Quantum Mechanics and Analytical Techniques	4	0	0	4	25	75	100
			B020402P	Instrumental Analysis	0	0	2	2	_	100	100
		Mathematics	B030401T	Differential Equation & Mechanics	5	1	0	6	25	75	100
3	Students are allowed to choose only one subject other than S. No. 1 and 2.	**Major Course (Subject-III) Own Faculty (Choose any one)**									
		Physics	B010401T	Perspectives of Modern Physics & Basic Electronics	4	0	0	4	25	75	100
			B010402P	Basic Electronics Instrumentation	0	0	2	2	_	100	100
		Chemistry	B020401T	Quantum Mechanics and Analytical Techniques	4	0	0	4	25	75	100
			B020402P	Instrumental Analysis	0	0	2	2	_	100	100
		Mathematics	B030401T	Differential Equation & Mechanics	5	1	0	6	25	75	100
		Botany	B040401T	Economic Botany, Ethnomedicine & Phytochemistry	4	0	0	4	25	75	100
			B040402P	Commercial Botany & Phytochemical Analysis	0	0	2	2	_	100	100
		Zoology	B050401T	Gene Technology, Immunology and Computational Biology	4	0	0	4	25	75	100
			B050402P	Genetic Engineering and Counselling Lab	0	0	2	2	_	100	100
4	Students may choose Minor Electives courses offered by the respective schools at a time. Alternatively, students can opt for MOOCs courses offered during the Even semester through platforms like SWAYAM, NPTEL, etc.	**Minor: Elective Courses (Subject-IV)**									
		Elective Courses (Minor)	MNE2401	Environmental Science	4	0	0	0	25	75	100
		OR									
		MNE/MOOCs	MNE2401/MOOCs Code	MOOCs Courses offered in odd Sem via Swayam/NPTEL/etc.	4	0	0	0	25	75	100
5	Students may choose VOC/VAC courses offered by their respective schools. Alternatively, students can opt for MOOCs courses offered during the odd semester through platforms like SWAYAM, NPTEL, etc.	**Vocational/ Skill Development Course (SEC)**									
		VOC/SEC	SEC2401	Leadership and Management Skills	3	0	0	3	25	75	100
		OR									
		VOC/SEC	VOC/SEC2401/ MOOCs Code	MOOCs Courses offered in odd Sem via Swayam/NPTEL/etc.	3	0	0	3	25	75	100
6	Co-curricular (Qualifying) - Course	**Co-curricular (Qualifying)**									
		Co-curricular	Z040401	Physical Education and Yoga	2	0	0	2	25	75	100

Total	**27**