Course Structure
M.Sc in Computational and Integrative Sciences

M.Sc (2nd Semester) (Six Courses and one practical course)

Revised M.Sc in Computational & Integrative Sciences courses	Credits		Remarks
	CB	CS	
IT 411 Mathematics-II		3	Compulsory
IT 412 Topics in statistics and Linear Algebra		3	Compulsory
IT 415 Graphs, Networks and Concepts of system Sciences		3	Compulsory
IT 421 Numerical Techniques and Programming Lab		3	Compulsory. Course replaced with course from 3rd semester
IT 413 Advanced topics in Physical Sciences		3	Earlier common. Now only for CS Stream. Non-credit for CB stream
IT 465 Stochastic Process : Theory and Applications		3	New Course. CS stream
IT 451N Computational Structural Biology	3		CB Stream. Shifted from third semester*
IT 453N Biological Sequence Analysis	3		CB Stream. Shifted from third semester*
	18		*One non-credit to be prescribed from the other stream*

Post Graduate Diploma in Biological Big Data Analytics
2nd Semester Courses

ITPR1	Project	**9 Credits**
IT717	Algorithms and Practical Implementation in Bioinformatics (BioAlgorithms)	**4 Credits**

Optional Courses

S.No	Course No.	Title	Credits
1	IT779	Advanced Applied and Computaional Complex Analysis	3
2	IT782	Biomolecular Interactions: Techniques and Applications	3