

BSMS Semester-VI Course Details:

SEMESTER-VI				
S. No.	Course Name	Type	Credits	Total Credits
1.	Physics-VI	Core Discipline Groups (CDG) (Choose any one course)*	16	16
	Chemistry-VI		16	
	Mathematics-VI		16	
	Biological Sciences-VI		16	
2.	Physics	Elective Discipline Groups (EDG) (Choose any two from List-4 & 5)	3+3	6
	Chemistry			
	Mathematics			
	Biological Sciences			
3.	Ethics	Interdisciplinary Courses	0	0
Total Credits				22
* Allowed to choose any one from the two CDGs already studied and qualified in Semester-V.				

List-4: Elective Discipline Groups (EDGs)*

(Choose at least three courses from the List-4)

S. No.	Physics	Chemistry	Mathematics	Biological Sciences	Computer Science	Credits
1	Nano Physics	Applied Organic Chemistry	Stat. & Prob	Biophysics	R-programming-2	3 credits each
2	Electromagnetic Theory	Applications of Computers in Chemistry		Medicinal Chemistry		
3	Modelling and Statistical Analysis in Physics	Colloids and Adsorption		Ecology & Biodiversity		
4	Physics of Materials	Biophysical Chemistry				
5	Communication System					
6	Microprocessors					
7	Advanced Mathematical Physics					
8	Fiber Optics					
9	Radiation and its Applications					
10	Introduction to Embedded System Design					

*** List-4 courses are also available for Semester-VI students.**

List-5: Elective Discipline Groups (EDG)

S. No.	Physics	Chemistry	Mathematics	Biological Sciences	Credits
1	Mathematical Physics	Liquid state and colligative properties	Discrete Mathematics	Biosensor Designing	3 credits each
2	Introductory Astronomy	Polymers, Colloids, Surfaces and Interfaces		AI in Health	
3	Advanced Computational Physics	Reactions and Reagents (Note: New reactions and reactions)		Structural Biology	
4	Applied Dynamics	Novel Inorganic Solids			
5	Physics of Detectors				
6	Light & Matter				
7	Electrical Circuit Analysis				
8	Introduction to Accelerators				