

BSMS Semester-IV Course Details:

SEMESTER-IV				
S. No.	Course	Type	Credits	Total Credits
1.	Physics-IV	Core Discipline Groups (CDG) (Choose any three courses)	4	12
	Chemistry-IV		4	
	*Mathematics (Basic)-IV or Mathematics (Advanced)-IV		4	
	Biological Sciences-IV		4	
2.	Physics	Elective Discipline Groups (EDG) (Choose any three from List-4)#	3+3+3	9
	Chemistry			
	Mathematics			
	Biological Sciences			
	Computer Science (R-programming-2)			
3.	EVS	Interdisciplinary courses	2	2
4.	Ethics		0	0
Total Credits				23

*** It is mandatory to choose Mathematics (Advanced) in order to take Mathematics as a Core subject in Semester-V.**

It is NOT allowed to select all the EDGs from the same Core Discipline. These EDGs are not the part of prerequisite for selecting a Core Discipline 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.