

Curriculum  
**Ph.D.**  
*NEW Program*



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**Indian Institute of Technology Jodhpur**

Proposed Curriculum  
**Ph.D. (Biologically Inspired System Science)**  
 NEW Program

Cat.	Course Number: Course Title	L-T-P	Credits	Cat.	Course Number: Course Title	L-T-P	Credits
<b>I Semester</b>				<b>II Semester</b>			
E	Electives			E	Electives		
Total				Total			
<b>III Semester</b>				<b>IV Semester</b>			
H	BL799 Ph.D. Thesis			H	BL799 Ph.D. Thesis		
Total				Total			
<b>V Semester</b>				<b>VI Semester</b>			
H	BL799 Ph.D. Thesis			H	BL799 Ph.D. Thesis		
Total				Total			
<b>VII Semester</b>				<b>VIII Semester</b>			
H	BL799 Ph.D. Thesis			H	BL799 Ph.D. Thesis		
Total				Total			

**Electives**

Semester I				Semester II			
BL751	Physiology and Neuroscience	3-0-0	3	HS752	Cognitive Science	3-0-0	3
BL752	Computational and Systems Biology	3-0-0	3	PH753	Biomolecular Information Processing	3-0-0	3
HS751	Consciousness	3-0-0	3	BL755	Complex Networks	3-0-0	3
PH752	Biomolecular Information Processing	3-0-0	3	BL756	Biomacromolecules and Bioengineering	3-0-0	3
CY752	Principles of Nuclear Magnetic Resonance	3-0-0	3	HS753	Bioengineering Ethics	3-0-0	3
				CY753	Analytical Techniques and Spectroscopy	3-0-0	3
				CY754	Statistical Mechanics and Molecular Simulations	3-0-0	3
				BL757	Cellular and Molecular Neuroscience	3-0-0	3

S.No.	Category	Category Title	Students with	Total Courses	Total Credits
1	E	ELECTIVES	Master's Degree	4	12
			Bachelor's Degree	10	30
2	H	Thesis	-	-	-