

B. S. Information Systems

Type of Input: Employed persons in Information Technology industry with minimum 2 years work experience and a Technical Diploma / B.Sc. or its equivalent with adequate background in Mathematics. Employer consent with suitable mentor availability will be additional requirements.

Duration Normally Six Semesters

Special Feature: This is a specially designed Work-Integrated Learning Programme for catering to the Human Resource Development requirements of diverse spectrum of IT Industries.

Semesterwise pattern for students admitted in the First Semester of the Academic Session

Year	First Semester			U	Second Semester			U
I	MGTS ZC211	Principles of Management	3	TA ZC142	Computer Programming	3	Total	12
	TA ZC312	Technical Report Writing	3	MATH ZC232	Engineering Mathematics II	3		
	MATH ZC161	Engineering Mathematics I	3	ES ZC261	Digital Electronics and Microprocessors	3		
	ENGG ZC111	Electrical & Electronics Technology	3	AAOC ZC111	Probability and Statistics	3		
	Total			12	Total			
II	AAOC ZC221	Graphs & Networks	3	BITS ZC461	Software Engineering	3	Total	12
	BITS ZC411	Object Oriented Programming	3	IS ZC351	Computer Organization and Architecture	3		
	BITS ZC471	Management Information Systems	3	IS ZC361	Data Structures and Algorithms	3		
	AAOC ZC222	Optimization	3	MATH ZC222	Discrete Structures for Computer Science	3		
	Total			12	Total			
III	IS ZC362	Operating Systems	3	BITS ZC423T Project Work		Total	20	
	IS ZC342	Structures of Programming Languages	3					
	IS ZC332	Database Systems & Applications	3					
	BITS ZC481	Computer Networks	3					
	Total			12	Total			

Note: This is the currently operative pattern as approved by the Senate-appointed committee, subject to change if the situation warrants.

Semesterwise pattern for students admitted in the Second Semester of the Academic Session

Year	First Semester			U	Second Semester			U	
I					MGTS ZC211	Principles of Management	3	Total	12
					TA ZC312	Technical Report Writing	3		
					MATH ZC161	Engineering Mathematics I	3		
					ENGG ZC111	Electrical & Electronics Technology	3		
II	TA ZC142	Computer Programming	3	AAOC ZC221	Graphs & Networks	3	Total	12	
	MATH ZC232	Engineering Mathematics II	3	BITS ZC411	Object Oriented Programming	3			
	ES ZC261	Digital Electronics and Microprocessors	3	BITS ZC471	Management Information Systems	3			
	AAOC ZC111	Probability and Statistics	3	AAOC ZC222	Optimization	3			
	Total			12	Total				
III	BITS ZC461	Software Engineering	3	IS ZC362	Operating Systems	3	Total	12	
	IS ZC351	Computer Organization and Architecture	3	IS ZC342	Structures of Programming Languages	3			
	IS ZC361	Data Structures and Algorithms	3	IS ZC332	Database Systems & Applications	3			
	MATH ZC222	Discrete Structures for Computer Science	3	BITS ZC481	Computer Networks	3			
	Total			12	Total				
IV	BITS ZC423T Project Work						Total	20	

Note: This is the currently operative pattern as approved by the Senate-appointed committee, subject to change if the situation warrants.