

Bachelor of Technology in Computer Science and Engineering and Business Systems

School of Computer Science and Engineering

Programme Credit Structure		Credits	Programme Core Courses		40
University Core Courses		60	BACSE103	Computation Structures	3 0 2 4
Professional Core Courses		60	BACSE104	Structured and Object-Oriented Programming	2 0 4 4
Programme Core		40	BACSE105	Data Structures and Algorithm Analysis	3 0 2 4
Concentration		20	BACSE106	Operating Systems	3 0 2 4
Open Elective Courses		40	BACSE201	Models of Computation	3 1 0 4
Total Graded Credit Requirement		160	BACSE202	Database Systems	3 0 2 4
University Core Courses		60	BACSE203	Computer Networks	3 0 2 4
		L T P C	BACSE204	Software Engineering	3 0 2 4
BAPHY100	Physics*	4	BACSE205	Fundamentals of Artificial Intelligence and Machine Learning	3 0 2 4
BACHY100	Chemistry*	4	BAMAT205	Discrete Mathematics and Linear Algebra	3 1 0 4
BAMAT101	Multivariable Calculus and Differential Equations	3 0 2 4	Concentration		
BAMAT200	Mathematics II*	4	Business Systems		
BAEEE101	Basic Engineering	3 0 2 4	20		
BACSE101	Problem Solving Using Python	0 0 4 2	BAMGT301	Financial and Cost Accounting	3 1 0 4
BACSE102	Problem Solving Using Java	0 0 4 2	BAMGT302	Marketing Management	3 1 0 4
BAENG101	Technical English Communication	3 0 2 4	BAMGT303	Financial Management	3 1 0 4
BASTS101	Qualitative and Quantitative Skills Practice I	3 0 0 1	BAMGT304	Services Science and Services Operations Management	3 1 0 4
BASTS102	Qualitative and Quantitative Skills Practice II	3 0 0 1	BAMAT208	Operations Research	3 0 2 4
BAFLC100	Foreign Language	1 0 2 2	Open Elective Courses		
BAHSM100	Humanities, Social Science and Management	3 0 0 3	40		
BAHUM101	India Studies	1 0 0 1	Engineering Sciences Humanities Social Sciences Liberal Arts Economics Finance Management		
BACHY101	Environmental Sciences	2 0 0 2	Ancillary (20 credits) - Students can opt for "Ancillary" in other disciplines by earning 20 credits from the courses listed in the Ancillary options under Open Elective. Ancillary details will be mentioned only on the transcript.		
BAHUM100	Ethics and Values*	2	Additional Concentration (20 credits) - Students can opt for "Additional Concentrations" in their own discipline by earning 20 credits from the courses listed in the Concentration options under Open Elective. Concentration details will be mentioned only on the transcript.		
BAMGT101	Entrepreneurship	3 0 0 3	Minor (additional 20 credits) - Students can opt for a "Minor Degree" in other disciplines 20 credits in addition to the minimum credit requirement of the Undergraduate Degree from the courses listed in the Minor options		
BACSE191	Basic Multidisciplinary Project	0 0 4 2	Second Major (additional 40 credits) - Students can opt for a "Second Major" in other disciplines by earning 40 credits in addition to the minimum credit requirement of the Undergraduate Degree from the courses listed in the Second Major options.		
BACSE291	Innovative Design Project	0 0 4 2			
BACSE391	Research / Design Project	0 0 6 3			
BACSE491	Technical Answers for Real World Problems	1 0 4 3			
BACSE399	Internship I	0 0 2 1			
BACSE499	Internship II / Capstone Project	0 0 12 6			
BAENG100	Effective English Communication (NCC)	0 0 4 2			
BAEXC100	Extracurricular Activities (NCCM)	0 0 4 2			
*-Basket Details					
BAPHY105	Engineering Physics	3 0 2 4			
BACHY105	Applied Chemistry	3 0 2 4			
BAMAT207	Probability and Statistics	3 0 2 4			
BAHUM103	Ethics and Values	2 0 0 2			