

**Program structure**  
**Bachelor in Computer Applications (BCA)**  
**(AY 2018-19)**

	Semester – I				Semester – II					
	Course Code	Course Title	L	P	U	Course Code	Course Title	L	P	U
<b>1st Year</b>	EGL111	English Language Skills I	3	0	3	EGL122	English Language Skills II	3	0	3
	TA121T	C Programming	3	0	3	MGT122	Fundamentals of Finance & Accounting	3	0	3
	TA121P	C Programming Practical	0	3	2	MATH102	Mathematics II	3	0	3
	MATH101	Mathematics I	3	0	3	CS212T	Object Oriented Programming through C ++	3	0	3
	MATH111	Probability and Statistics	3	0	3	CS212P	Object Oriented Programming through C ++ Practical	0	3	2
	MGT102	Principles of Management	3	0	3	ECN101	Principles of Economics	3	0	3
	BCAC104	Information Technology Trends	3	0	3	CS314T	Data Structures & Algorithms	3	0	3
						CS314P	Data Structures & Algorithms Practical	0	3	2
					Unit=20					Unit=22
		<b>BCAIP101 SUMMER PROJECT-I [Units = 5]</b>								
<b>2nd Year</b>	Semester – I				Semester – II					
	Course Code	Course Title	L	P	U	Course Code	Course Title	L	P	U
	CS325T	Data Communication & Computer Networks	3	0	3	SSU244	Soft Skills-I	3	0	3
	CS325P	Data Communication & Computer Networks Practical	3	0	2	CS429T	Web Technologies	3	0	3
	CS311T	Database Management Systems	3	0	3	CS429P	Web Technologies Practical	0	3	2
	CS311P	Database Management Systems Practical	0	3	2	BCAC206	Software Engineering	3	0	3
	CS313T	Operating Systems	3	0	3	CS312T	Java Programming	3	0	3
	CS313P	Operating Systems Practical	0	3	2	CS312P	Java Programming Practical	0	3	2
	EGL233	Technical Report Writing	3	0	3	MATH303	Operations Research	3	0	3
	BCAC201	System Analysis and Design	3	0	3	ENV222	Environmental Studies	3	0	3
	CS323	Computer Organization and Architecture	3	0	3					
					Unit=24					Unit=22
		<b>BCAIP201 SUMMER PROJECT-II [Units = 5]</b>								
<b>3rd Year</b>	Semester – I				Semester – II					
	Course Code	Course Title	L	P	U	Course Code	Course Title	L	P	U
	CS428	Theory of Computation	3	0	3	MCIC306T	Multimedia Systems	3	0	3
	MIS306	Management Information Systems	3	0	3	MCIC306P	Multimedia Systems Practical	0	3	2
	BCAC304T	Advance Java Programming	3	0	3	MCIC309	Mini Information Technology Project	6	0	6
BCAC304P	Advance Java Programming Practical	0	3	2	ES209	Digital Electronics and Micro Processors	3	0	3	

  
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CS424T	Network Security	3 0 3
CS424P	Network Security Practical	0 3 2
BCAC352T	Python Programming	3 0 3
BCAC352P	Python Programming Practical	0 3 2
BCAC351T	Windows Applications using Dot Net Technologies	3 0 3
BCAC351P	Windows Applications using Dot Net Technologies Practical	0 3 2
		Unit=26

CSA323T	Compiler Design	3 0 3
CS440T	Smartphone Computing and Applications	3 0 3
CS440P	Smartphone Computing and Applications Practical	0 3 2
CSA325T	Web Applications using Dot Net Technologies	3 0 3
CSA325P	Web Applications using Dot Net Technologies Practical	0 3 2
CSA326T	Internet of Things	3 0 3
		Unit=30

  
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