

B.Sc. (Computer Application)
Course Curriculum based on Choice Based Credit System (CBCS)

<u>Sem</u>	<u>Course Code</u>	<u>Title of the Course</u>	<u>Marks</u>	<u>Credits (Th/Pr)</u>
<i>I</i>	BCAC101A	Programming Fundamentals Using C/C++	75	04
	BCAC101B	Practical	25	02
	BCAC102A	Discrete Structures	100	06
	ENGAEC01	English Communication or	100	02
	MILAEC01	MIL Communication	100	02
	MATGE01	Mathematics-I	100	06
<i>II</i>	BCAC203A	Programming in Java	75	04
	BCAC203B	Practical	25	02
	BCAC204A	Data Structure	75	04
	BCAC204B	Tutorial	25	02
	EVSAEC01	EVS	100	02
	MATGE02	Econometrics	100	06
<i>III</i>	BCAC305A	Computer System Architecture	75	04
	BCAC305B	Practical	25	02
	BCAC306A	Operating System	75	04
	BCAC306B	Practical	25	02
	BCAC307A	Computer Networks	75	04
	BCAC307B	Practical	25	02
	BCASEC01	HTML	50	02
	MATGE03	Cryptography and Network	100	06
<i>IV</i>	BCAC408A	Design and Analysis of Algorithm	75	04
	BCAC408B	Practical	25	02

	<i>BCAC409A</i>	<i>Software Engineering</i>	<i>75</i>	<i>04</i>
	<i>BCAC409B</i>	<i>Practical</i>	<i>25</i>	<i>02</i>
	<i>BCAC410A</i>	<i>Database Management System</i>	<i>75</i>	<i>04</i>
	<i>BCAC410B</i>	<i>Practical</i>	<i>25</i>	<i>02</i>
	<i>BCASEC02</i>	<i>PL/SQL</i>	<i>50</i>	<i>02</i>
	<i>BCASEC02B</i>	<i>Practical</i>		
	<i>MATGE04</i>	<i>Combinatorial Mathematics</i>	<i>100</i>	<i>06</i>
<i>V</i>	<i>BCAC511A</i>	<i>Internet Technologies</i>	<i>75</i>	<i>04</i>
	<i>BCAC511B</i>	<i>Internet Technologies Lab</i>	<i>25</i>	<i>02</i>
	<i>BCAC512A</i>	<i>Artificial Intelligence</i>	<i>75</i>	<i>04</i>
	<i>BCAC512B</i>	<i>Artificial Intelligence Lab</i>	<i>25</i>	<i>02</i>
	<i>BCADSE1A</i>	<i>DSE I</i>	<i>75</i>	<i>04</i>
	<i>BCADSE1B</i>	<i>DSE I Lab</i>	<i>25</i>	<i>02</i>
	<i>BCADSE2A</i>	<i>DSE II</i>	<i>75</i>	<i>04</i>
	<i>BCADSE2B</i>	<i>DSE II Lab</i>	<i>25</i>	<i>02</i>
<i>VI</i>	<i>BCAC613</i>	<i>Theory of Computation</i>	<i>100</i>	<i>06</i>
	<i>BCAC613A</i>	<i>Computer Graphics</i>	<i>75</i>	<i>04</i>
	<i>BCAC613B</i>	<i>Computer Graphics Lab</i>	<i>25</i>	<i>02</i>
	<i>BCADSE3A</i>	<i>DSE III</i>	<i>75</i>	<i>04</i>
	<i>BCADSE3B</i>	<i>DSE III Lab</i>	<i>25</i>	<i>02</i>
	<i>BCADSE4A</i>	<i>Project / Dissertation</i>	<i>75</i>	<i>04</i>
	<i>BCADSE4B</i>	<i>Industrial Tour and Reporting</i>	<i>25</i>	<i>02</i>

- ❖ ***1 Credit = 15 Learning Hours***
- ❖ ***Total Academic Credit of the Programme: 140***
- ❖ ***Total Non Academic Credit of the Programme: 1***
- ❖ ***Total Credit of the Programme: 141***
- ❖ ***Th-Theory, Pr-Practical***