

MANGALORE UNIVERSITY



State Education Policy – 2024
[SEP-2024]

CURRICULUM STRUCTURE

FOR

BCA

BACHELOR OF COMPUTER APPLICATIONS

MANGALORE UNIVERSITY

Suggested Programme Structure for the Under Graduate Programmes

[BCA, BCA (A.I & M.L), BCA (D.A)]

Semester	Course 1	Course 2	Course 3	Elective / Optional	Course	Language	Compulsory	Total Credit	Total Working hour
I	5 (3T+2P)	5 (3T+2P)	5 T			3+3	2	23	4+4+4+4+5+4+4+2=31
II	5 (3T+2P)	5 (3T+2P)	5T			3+3	2	23	4+4+4+4+5+4+4+2=31
III	5 (3T+2P)	5 (3T+2P)	5T	2		3+3		23	4+4+4+4+5+4+4+2=31
IV	5 (3T+2P)	5 (3T+2P)	5T	2		3+3	2	25	4+4+4+4+5+2+4+4+2=33
V	8[(2x3T)+2P]	8[(2x3T)+2P]	8[(2x3T)+2P]				2	26	3+3+4+3+3+4+3+3+4+2=32
VI	3T	3T	3T		3T	Project work 12		24	3+3+3+3+24=36
Total Credits for the Programme								144	

Note:

- Course1 and Course2: I to IV Semester: Theory 3 credits=4 contact hours & Practical 2 credits=4 contact hours
- Course3: I to IV Semester: Theory 5 credit=5 contact hours
- Course1, Course2 and Course3: V and VI Semester: Theory 3 credits=3 contact hours & Practical 2 credits=4 contact hours
- Elective/Optional: 2 credits=2 contact hours
- Languages: 3 credits=4 contact hours
- Compulsory: 2 credits=3 contact hours

CURRICULUM STRUCTURE FOR III AND IV SEMETER BCA

Semester III								
Sl. No	Course Code	Title of the Course	Category of Courses	Teaching Hours per Week	SEE	IA	Total Marks	Credits
1		Language-I	Lang	4	80	20	100	3
2		Language-II	Lang	4	80	20	100	3
3	BCACAC S301	Database Management System	Core	4	80	20	100	3
4	BCACAC S302	C# and Dotnet Framework	Core	4	80	20	100	3
5	BCACAC S303	Computer Networks	Core	5	80	20	100	5
6	BCACAP S304	DBMS-Lab	Practical	4	40	10	50	2
7	BCACAP S305	C# and Dotnet Framework-Lab	Practical	4	40	10	50	2
8	BCACAE S301	A) Open Source Tools B) Web Content Management System C) DEVOPS	Elective	2	40	10	50	2
Sub-Total				31	520	130	650	23

Semester IV								
Sl. No	Course Code	Title of the Course	Category of Courses	Teaching Hours per Week	SEE	IA	Total Marks	Credits
1		Language-I	Lang	4	80	20	100	3
2		Language-II	Lang	4	80	20	100	3
3	BCACAC S401	Python Programming	Core	4	80	20	100	3
4	BCACAC S402	Advanced JAVA and J2EE	Core	4	80	20	100	3
5	BCACAC S403	Operating System Concepts	Core	5	80	20	100	5
6	BCACAP S404	Python Programming-Lab	Practical	4	40	10	50	2
7	BCACAP S405	Advanced JAVA and J2EE-Lab	Practical	4	40	10	50	2
8	BCACAE S401	A) Distributed Computing B) Object Oriented Analysis & Design C) Digital Image Processing	Elective	2	40	10	50	2
9	BCACAS S401	Basic Web Designing Skills.	Compulsory	2	40	10	50	2
Sub-Total				33	560	140	700	25