

BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI, INDIA

Year wise Course Structure for Bachelor of Computer Applications with intermediate exit points

First Year

I SEMESTER				II SEMESTER			
Course No	Course Title	Units	Hours/week	Course No	Course Title	Units	Hours/week
BCA101	Foundation Course in Maths -1	1.0	4	BCA201	Foundation Course in Maths -II	1.0	4
BCA102	Introduction to Computer Science	1.0	4	BCA202	Computer Architecture	1.0	4
BCA113	Communication Skills	1.0	4	BCA203	UNIX & C Programming	1.0	4
BCA105	Fundamental of Information Technology	1.0	4	BCA205	Windows Programming In Visual Basic	1.0	4
BCA106	Computer laboratory on MS Access &Power Point	1.0	4-6	BCA206	Computer Laboratory on C	1.0	4-6
BCA107	Computer laboratory on MSWord &Excel	1.0	4-6	BCA207	Computer Laboratory on Visual Basic	1.0	4-6
BCA108	Computer laboratory on WINDOWS	1.0	4-6	BCA208	Computer Laboratory on UNIX	1.0	4-6
Total Units		7.0	28-34	Total Units		7.0	28-34
Certificate in Computer Applications				Cumulative units for Certificate course		14	

Second Year

III SEMESTER				IV SEMESTER			
BCA301	Database Management System-I	1.0	4	BCA401	Computer Oriented Numerical Method	1.0	4
BCA302	Data Structure In C	1.0	4	BCA402	System Programming	1.0	4
BCA303	OOPS & C++	1.0	4	BCA403	Computer Graphics & Multimedia	1.0	4
BCA304	Computerized Financial Accounting	1.0	4	BCA404	Management Information System	1.0	4
BCA305	Computer Lab on Database Management System-I	1.0	4-6	BCA405	Computer Laboratory on Numerical Method	1.0	4-6
BCA306	Computer lab on Data Structure	1.0	4-6	BCA406	Computer Laboratory on Graphics	1.0	4-6
BCA307	Computer Lab on C++	1.0	4-6	BCA407	Computer Laboratory on Multimedia	1.0	4-6
Total Units		7.0	28-34	Total Units		7.0	28-34
Diploma in Computer Applications				Cumulative units for Diploma course		28	

Third Year

V SEMESTER				VI SEMESTER			
BCA501	Database Management Sys-II	1.0	4	BCA503	Computer Network	1.0	4
BCA502	Operating Systems	1.0	4	BCA602	Software Engineering Principles	1.0	4
BCA601	Internet & JAVA Programming	1.0	4	BCA603	System Analysis And Design	1.0	4
BCA504	Computer Laboratory on DBMS-II	1.0	4-6	BCA607	Computer Laboratory on Web Design	1.0	4-6
BCA604	Computer Laboratory JAVA	1.0	4-6	BCA608	Laboratory on Case Tools	1.0	4-6
BCA506	Project-I	2.0	8-12	BCA606	Project –II	2.0	8-12
Total Units		7.0	28-34	Total Units		7.0	28-34
Bachelor of Computer Applications				Cumulative units Bachelor course			
				42			

