BCAOL : Bachelor of Computer Applications

Programme Type	DEGREE
School	School of Computer and Information Sciences
Duration	3 Years
Medium	ENGLISH
Specialization	Computer Applications
Description	The basic objective of the programme is to open a channel of admission for computing courses for students, who have done the 10+2 and are interested in taking computing/IT as a career. After acquiring the Bachelor's Degree (BCA) at IGNOU, there is a further educational opportunity to go for an MCA at IGNOU or Master's Programme at any other University/Institute. Also after completing BCA Programme, a student should be able to get an entry-level job in the field of Information Technology or ITES.
Eligibility	10+2 or its equivalent

Course Details

Course Code	Title of the Course	Credits
I Semester		
FEG 02	Foundation course in English -2	4
ECO 01	Business Organization	4
BCS 011	Computer Basics and PC Software	3
BCS 012	Mathematics	4
BCSL 013	Computer Basics and PC Software Lab	2
II Semester		
ECO 02	Accountancy-I	4
MCS 011	Problem Solving and Programming	3
MCS 012	Computer Organization and Assembly Language Programming	4
MCS 015	Communication Skills	2
MCS 013	Discrete Mathematics	2
BCSL 021	C Language Programming Lab	1
BCSL 022	Assembly Language Programming Lab	1

III Semester

MCS 021	Data and File Structures	4
MCS 023	Introduction to Database Management Systems	3
MCS 014	Systems Analysis and Design	3
BCS 031	Programming in C++	3
BCSL 032	C++ Programming Lab	1
BCSL 033	Data and File Structures Lab	1
BCSL 034	DBMS Lab	1

IV Semester

BCS 040	Statistical Techniques	4
MCS 024	Object Oriented Technologies and Java Programming	3
BCS 041	Fundamentals of Computer Networks	4
BCS 042	Introduction to Algorithm Design	2
MCSL016	Internet Concepts and Web Design	2
BCSL 043	Java Programming Lab	1
BCSL 044	Statistical Techniques Lab	1

V Semester

BCS 051	Introduction to Software Engineering	3
BCS 052	Network Programming and Administration	3
BCS 053	Web Programming	2
BCS 054	Computer Oriented Numerical Techniques	3
BCS 055	Business Communication	2
BCSL 056	Network Programming and Administration Lab	1
BCSL 057	Web Programming Lab	1
BCSL 058	Computer Oriented Numerical Techniques Lab	1

VI Semester

BCS 062	E-Commerce	2
MCS 022	Operating System Concepts and Networking Management	4
BCSL 063	Operating System Concepts & Networking Management Lab	1
BCSP 064	Project	8
Total Credits		**99**