

# BACHELOR OF COMPUTER APPLICATIONS

## BCA

Indira Gandhi National Open University, India (IGNOU)  
Partner Institute: Open Minds International, Singapore  
PI Code: 9301

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The Open Minds International in conjunction with Indira Gandhi National Open University invites applicant to apply for the **Bachelor in Computer Applications** Programme.

This Programme offers those holding a 10+2 or equivalent qualifications, an opportunity to upgrade their knowledge and skills to a Bachelor's degree from a well-known University.

The Open University approach is more learners oriented and the student is an active participant in the teaching and learning process. Most of the instruction is imparted through distance learning material comprising of printed text, audio-visual material and counseling sessions.

Learning material is specially prepared for the courses by a team of experts drawn from different universities / professional institutes all over India as well as in-house faculty. The material is reviewed by the content experts, supervised by instructional /unit designers and edited by Language experts at IGNOU before printing or production.

This programme is designed to be completed in **3 years** over six semesters.

In a semester, a student can take a maximum of four courses and a minimum of one. However a student can study at his own pace and complete the programme in **6 years**. Counselling classes are provided on weekdays evenings or on Saturday. A student is not required to attend regular counseling sessions.

The University follows the credit system for its undergraduate programmes. Each credit system amounts to 30 hrs of study comprising of all learning activities.

**Eligibility:** 10+2 with Math or equivalent OR  
**10+2 without Math +CIC+PPC**

**Exam:** June and December Every Year

**Medium:** English

**Minimum Duration: 3 Years**

**Maximum Duration: 6 years**

# PROGRAMME CURRICULUM

## First Semester

CourseCode	Course Name	Credits
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

## Second Semester

CourseCode	Course Name	Credits
ECO-02	Accountancy-1	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

## Third Semester

CourseCode	Course Name	Credits
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

## Fourth Semester

CourseCode	Course Name	Credits
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
MCSL-016	Internet Concepts and Web Design	2
BCSL-043	Java Programming Lab	1
BCSL-044	Statistical Techniques Lab	1
BCSL-045	Algorithm Design Lab	1

## Fifth Semester

CourseCode	Course Name	Credits
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
<b>Sixth Semester</b>		
<b>CourseCode</b>	<b>Course Name</b>	<b>Credits</b>
BCS-062	E-Commerce	2
MCS-022	Operating System Concepts and Networking Management	4
BCSL-063	Operating System Concepts and Networking Management Lab	1
BCSP-064	Project	8

### **INSTRUCTIONAL SYSTEM**

**PRINT MATERIAL (STUDY MATERIAL):** The print material prepared by the University is self-instructional in nature. Each course is divided into number of Blocks. The printed materials would be sufficient to write assignment responses and prepare for the term-end examination.

#### **ASSIGNMENTS:**

Assignments constitute the continuous evaluation. The submission of assignments is compulsory. The Grade/Marks you get in your assignments will be counted in your result.

The main purpose of the assignment is to test your comprehension of the learning material you receive from us and also to help you get through the courses.

Assignments are uploaded on the site [www.ignou.ac.in](http://www.ignou.ac.in) from the month of Jan.

#### **TERM-END EXAMINATION (TEE):**

Another component of the evaluation system is the term-end examination.

The University conducts the term-end examination twice in a year i.e. in June and in December.

- ✓ If you fail to get D grade in the term end examination of the particular course, you will be eligible to reappear in the next term end examination for the same course.

Term-End Examination carries 70% weightage and 30% in the assignments.

To be eligible to appear at the term end examination in any course, you are required to fulfill the following conditions:

- You should have registered (opted) for the respective courses.
- You should have submitted all the assignments for the respective courses.
- You should have submitted the examination form in time.

You need to fill the exam form at Open Minds International Office.

Kindly be careful in writing your enrolment number and subject code while filling the exam form. Any mistake in writing the enrolment number or course code will result in non – declaration of your result.

#### **Date sheet (Examination time table):**

Date sheet for Term-end examination are uploaded on the website [www.ignou.ac.in](http://www.ignou.ac.in)

Main page of the website - Students Zone - Pre Exam information - Date Sheet for TEE

- ✓ For June TEE: date sheet uploaded by 1<sup>st</sup> week of March
- ✓ For Dec TEE: date sheet uploaded by 1<sup>st</sup> week of September

**EVALUATION:**

Continuous evaluation in the form of periodic compulsory assignments carries a weightage of 30% for each Course. The Term-End Examination has a weightage of 70% of the total for each course. Students admitted in January Cycle session will have to appear for TEE in December for the first time and students admitted in July Cycle session will have to appear for the TEE in June for the first time.

**Change in the Course:**

Request for change in courses will be entertained within one and half month of the commencement of the program with respect to requisite fee.

**Change of Programme:**

Change of Programme from B.A to B.Com or B.Com to B.A. is permitted only in the first year of study within one month of the commencement of the program with respect to requisite fees.

**Change of Medium:** Change of Medium is permitted only in one month of the commencement of the Programme.

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