BACHELOR OF
COMPUTER APPLICATIONS

CONTENTS

MESSAGE FROM
DIRECTOR

Prof. Abhinash Kumar
Director, Amity University Online

Amity University Online provides 'Anytime, Anywhere' education experience, intensive corporate interaction, industry-oriented teaching delivered by eminent corporate experts and world-class faculty.

Designed to suit both graduate students and working professionals, our programs adhere to UGC's stringent criteria and we are at par with the campus programs.

ABOUT AMITY UNIVERSITY

ONLINE

Bringing together pedagogy, content and technology, Amity University Online is home to a range of University Grants Commission (UGC) entitled programs meant for anytime, anywhere learning. Amity University Online serves the educational aspirations of students across the globe with Master's, Bachelor's, Post Graduate Certificates and Certificate programs through its well-researched curriculum, renowned faculty, cutting-edge technology and close industry-academic partnerships.

Amity University Online is devoted to creating a transformative learning environment. In today's environment, when content is mobile and available anytime, anywhere, learning is truly a click away.

A LEADING GLOBAL

EDUCATION GROUP

Amity Education Group is one of the largest education groups, established over twenty years ago, offering globally benchmarked education right from pre-school to Ph.D. level with over 400 UG & PG programs across various disciplines in education.

175,000
Students

225,000
Online Students

6,000+
Faculty

120,000
Alumni Worldwide

1,200
Acres of Campuses

UNIVERSITIES IN

- NOIDA
- GURUGRAM
- GREATER NOIDA
- JAIPUR
- MOHALI
- LUCKNOW
- MUMBAI
- GWALIOR
- RAIPUR
- KOLKATA
- RANCHI
- PATNA

INTERNATIONAL CAMPUSES IN

- LONDON
- DUBAI
- SINGAPORE
- NEW YORK
- SAN FRANCISCO
- ABU DHABI
- MAURITIUS
- SHARJAH
- SOUTH AFRICA
- AMSTERDAM
- NAIROBI
- TASHKENT

ABOUT PROGRAM

BACHELOR OF COMPUTER APPLICATIONS

LEARNING EFFORTS: 12/15 HRS A WEEK
DURATION: 3 YEARS | **CREDITS:** 134

Bachelor of Computer Applications is a three-year (6-semester) program for undergraduates interested in pursuing a career in information technology. The degree is awarded for completing the program in the study fields of software testing, web design, software development and programming, computer networking, and computer systems. It provides a substantial understanding of concepts in the key areas of computer science.

The program includes all important concepts and practices, in the areas of data structures, C++ and DBMS, computer networks, database management systems, operating systems, computer graphics and visual basics, data warehousing and mining, Java programming, multimedia, and web technologies. The subjects provide good knowledge in critical areas of computer science and networking. The information technology sector has a substantial economic impact and hence provides ample job opportunities.

SPECIALISATIONS

- BCA with Specialisation in Cloud & Security (In collaboration with TCS iON)
- MCA with Specialisation in Data Analytics (In collaboration with TCS iON)

PROGRAM
CURRICULUM

SEMESTER 1
- Basic Mathematics- I
- Programming in C
- Human Computer Interaction
- Computer & Information Technology

SEMESTER 2
- Data Structures Using C
- Environmental Studies
- Software Engineering & Modeling (UG)Syllabus
- Operating System Concepts
- Individual Excellence and Social Dynamic

SEMESTER 3
- Computational Statistics
- Network Basics
- Introduction to Data Base Management Systems
- Object Oriented Programming Using Java
- Green computing

SEMESTER 4
- Unix Operating System and Shell Programming
- Python Programming
- Cyber and Information Security
- IT Project Management
- Fundamental of Cloud Computing & Enterprise
- Fundamentals of Digital Marketing

SEMESTER 5
- Introduction to Artificial Intelligence
- Internet of Things(UG) Syllabus
- Introduction to Enterprise Resource Planning
- Data Warehousing & Mining
- Fundamentals of Ecommerce
- Professional Ethics

SEMESTER 6
- Introduction to e-Governance
- Block chain Technologies
- Introduction to Data Science
- Human Resource Management
- Major Project [Non-Teaching Credit Courses]

PROGRAM
FACULTY

Prof. (Dr.) Ronald C Darnell
Ph.D, Organization Management - IT Management,
Capella University, USA,
Professor and program Coordinator -
Amberton University,
Visiting Professor– Devry, University,
Professor - Parker University,
Principal Consultant & Agile Coach- Vizient, Inc.

Asst. Prof. Anjali Munde
Ph.D Mathematics
Amity Univesity Noida

Prof. Deepak Kumar
Ph.D Software Reliability
University of Delhi

Prof. Sapna Sinha
Ph.D Computer Science

Asst. Prof. Anil Kumar Sajnani
M.Tech Computer Science
Birla Institute of Technology

ELIGIBILITY

- 10th Class Certificate (Completing 10 years of formal schooling)
- 12th Class Certificate (Completing 12 years of formal schooling)

ACCREDITED. RESPECTED. TRUSTED.

Programmes Recognised
by Distance Education
Bureau (DEB) UGC

Amity's Online MBA has been
ranked by **QS as #37 Worldwide**
In 2021 ranking.

Asia's only not-for-profit
university to get
US regional accreditation

Accredited by
National Assessment And
Accreditation Council (NAAC)
Grade 'A+'

Amity's Online MBA & BBA are
the 1st and only EOCCS certified
programmes in India

WORLD UNIVERSITY RANKINGS

Accredited Member of Accreditation
Council for Business School and
Programme (ACBSP), USA

Association of
Indian Universities

Recognised by
World Education Services

TESTIMONIAL

"Altogether, it has been a hassle-free experience, taking exams from my choice of place and the team's support throughout the entire course. I'm grateful to have completed a degree from one of the best Universities globally."

Rohit Shaw
Centre Manager, Jetking

AMITY UNIVERSITY ONLINE
ADVANTAGES

Live & interactive lectures by expert faculty

Web Proctored Mode for the freedom to take exams anywhere

World-class curriculum designed by eminent faculty & industry professionals

Learn from the leading global faculty

Regular webinars by industry leaders

Placement drive & career assistance

International collaborations with Ivy League universities

Easy-to-use LMS accessible anytime, anywhere

Strong alumni network

Exemplary employer rating of various programs

ELIGIBILITY

ALUMNI
WORKING AT

IBM

WIPRO
Applying Thought

THE TIMES OF INDIA

SAMSUNG

NOKIA

paytm

KPMG

MetLife

Justdial

Google

Apollo HOSPITALS

AMERICAN EXPRESS

SBI Life
INSURANCE
With Us, You're Sure

Microsoft

HDFC