



**AMITY**  
**UNIVERSITY**  
ONLINE



# Bachelor of Computer Applications

USA, UK & CANADA ACCREDITATIONS



UGC  
ENTITLED

सर्वे पारमर्षिणो भवन्तु

**WISC**

SENIOR COLLEGE AND  
UNIVERSITY COMMISSION, USA



**QAA**  
Global

Accredited by  
The Quality Assurance Agency  
Valid 07/2018 - 07/2023



WORLD EDUCATION SERVICES

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# Message from Directors



## Dr. Priya Mary Mathew

Director, Academics

This is the age of knowledge and anyone who says “I do not know” at this age, will risk being labelled “outdated”. We at Amity Online family have pledged to ensure no one faces that dilemma. That’s why you will find Amity University Online going to the depths, the widths, the lengths to ensure we serve as many humans as possible. Choices decide the fruits of your life. Taking up online programs with AUO is a wise decision to widen your opportunities to succeed.



## 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.



The country's first university to receive the prestigious UGC entitlement for its online programs, 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

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## International Campuses in

London, Dubai, Singapore, New York, San Francisco, Abu Dhabi, Mauritius, Sharjah, South Africa, Amsterdam, Nairobi, Tashkent

# About the Program

## BACHELOR OF COMPUTER APPLICATIONS

**Learning Efforts - 12/15 hrs a week | Duration - 3 Years | Credits - 134**

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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

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- Basic Mathematics- I
- Programming in C
- Human Computer Interaction
- Computer and Information Technology
- Business Communication

## SEMESTER 3

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

## SEMESTER 5

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

## SEMESTER 2

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

## SEMESTER 4

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- 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 6

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- 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 University 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.



Programs Entitled  
by Distance Education  
Bureau (DEB) UGC



QAA  
Global  
Accredited by  
The Quality Assurance Agency  
www.qaa.ac.uk

Programs are  
Accredited by QAA (UK)



WASC  
SENIOR COLLEGE AND  
UNIVERSITY COMMISSION, USA  
Asia's only not-for-profit  
university to get  
US regional accreditation



Accredited by  
National Assessment And  
Accreditation Council (NAAC) Grade 'A+'  
www.naac.aicte.gov.in



Ranked 25th  
in the country  
www.nirf.gov.in



Accredited Member of  
Accreditation Council for  
Business School and  
Program (ACBSP), USA  
www.acbsp.com



Association of  
Indian Universities  
www.aiu.ac.in



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www.wes.org

## 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 Advantage



Live & interactive lectures  
by expert faculty



Web Proctored Mode for  
the freedom to take  
exams anywhere



World-class curriculum  
designed by eminent faculty  
and industry professionals



Learn from the leading  
global faculty



Regular webinars  
by industry leaders



Virtual job fairs and  
career assistance



International collaborations  
with Ivy League universities



Easy-to-use LMS accessible  
anytime, anywhere



Strong alumni network



Exemplary employer rating  
of various programs

# Alumni Working At



