



**AMITY**  
UNIVERSITY  
ONLINE



# Bachelor of Computer Applications

ACCREDITED BY:



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## Mr. Ajit Chauhan

Chairman - Amity University Online

Amity University Online is devoted to creating a transformative learning environment, a digital classroom with true mobility and access to education from anywhere. Our career-oriented programmes are specially designed for working professionals offering futuristic learning experiences on our awarded LMS, along with face to face interactions, live online classes, webinars, video lectures & one-to-one sessions with faculty, designed and delivered by over 6000 eminent corporate experts and faculties. With a constant and sustainable rise in the need for highly-skilled professionals, it is becoming crucial for employers to develop and retain well-educated and motivated employees. At Amity University Online, we understand and create professionally strong individuals with higher education and training for meeting the evolving industry demands.



# 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 And anyone who says “I do not know” at this age, will risk being labelled “outdated”.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 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 programmes adhere to UGC’s stringent criteria and we are at par with the campus programmes.

# About Amity University Online

Bringing together pedagogy, content and technology, Amity University Online is home to a range of University Grants Commission (UGC) recognized programmes meant for anytime, anywhere learning. Amity University Online serves the educational aspirations of students across the globe through 24 programmes under Masters, Bachelors, Post Graduate Diplomas 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 accreditations for its online programmes, 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 programmes across various disciplines in education.

**175,000**

Students

**225,000**

Online Students

**6,000+**

Faculty

**120,000**

Alumni Worldwide

**1,200**

Acres of Campuses

**28**

Schools & Pre-schools

**11**

Universities in Noida, Gurugram, Greater Noida, Jaipur, Mohali Lucknow, Mumbai, Gwalior, Raipur, Kolkata, Ranchi & Patna

**16**

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

“

I take this opportunity to thank all the academic and non-academic staff in providing sufficient support in the completion of my course. Apart from online study content, they have interactive video lecture programmes. ”

**Harisha**

Bharti Airtel

## About the Programme

# 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 3-year (6 semesters) programme for undergraduates seeking career in the IT industry. The degree is awarded for completing the programme 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 programme includes all important concepts, practices, in areas of data structures, C++ and DBMS, computer networks, database management systems, operating systems, computer graphics and visual basic, data warehousing and mining, Java programming, multimedia, and web technologies. The subjects provide good knowledge in critical areas of computer science and networking. Information Technology sector has a substantial economic impact and hence provide ample job opportunities.



# Programme 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]

# Our Global Faculty



## Asst. Prof. Brian Porter

MSc. Management - Boston University,  
Online Facilitator - Boston University,  
Adjunct Professor - Nicholas College,  
Vice President of Strategic Partnerships at MGCC



## Prof. Luke Pearce

M.A. in Education, University of Sheffield,  
PGCE from Sheffield Hallam University,  
Teaching fellow - University College London



## Prof. (Dr.) Ronald C Darnell

PhD, 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.



## Prof. (Dr.) Julia Fallon

MBA from Cardiff University and PhD from the  
University of Wales, UK,  
Principal Lecturer, at Cardiff Metropolitan University, UK



## Prof. Mike Berry

MSc. in Math and Economics -  
Imperial College London,  
Professor (Marketing) at  
Hult International Business School, UK

# 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 ECCS certified  
programmes in India



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



Association of  
Indian Universities



Recognised by  
World Education Services

It was good to enroll in a programme from Amity. This has helped me in excelling career growth in my current organization through theoretical knowledge. I was able to deliver much more based on the course which I opted for. Helped me in learning new terminologies and approaches. ”

**Aman Gaur**

PayTM

# Amity University Online Advantage



Live & Interactive Lectures  
by Expert Faculties



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 faculties



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 programmes

# Industry Mentors



## Sriram Ram narayan

Director- Market South Asia  
**Thomson Reuters**



## Sudhir Aggarwal

Chief Strategy Officer  
**Silver Touch technologies Ltd.**



## Saraswati Ramachandra

Director- IT  
**CITI**

# Alumni Working At





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