UPES ONLINE

UNIVERSITY OF TOMORROW

upesonline.ac.in



# BCA in Cloud & Security

A BETTER TOMORROW BEGINS TODAY

ADMISSIONS OPEN



# ABOUT UPES ONLINE

UPES Online, the digital learning vertical of UPES, is aimed at empowering professionals looking to advance in their careers, students aspiring to upskill, and individuals striving to achieve personal goals. It offers a range of flexible, industry-relevant programs designed to equip learners with the skills needed to thrive in today's dynamic job market. UPES Online offers MBA, MCA, BBA, and BCA degrees, all enhanced with industry masterclasses and immersive experiences, maintaining the same level of academic rigour as traditional in-person programs. Additionally, the platform provides intensive 10-month Postgraduate Certification Programs (PGCP) in fields such as Oil and Gas, Renewable Energy, and Industrial Safety, with the integration of advanced technologies like AI, Data Science, and Cloud Computing into the curriculum.

UPES Online is an extension of UPES, a UGC-entitled, multidisciplinary, not-for-profit, research-driven university, committed to academic excellence, exemplary student outcomes, and social impact. As the 'University of Tomorrow', it pioneers transformative education, shaping learners into changemakers. With seven schools, including Computer Science, Engineering, Health Sciences and Technology, Design, Business, Law, Liberal Studies and Media, UPES provides industry-ready education to over 16,000+ students at its campuses in Dehradun.

As per the National Institutional Ranking Framework (NIRF) 2024, UPES has been ranked 45, with a rank of 43 in engineering and a rank of 36 in management. In addition to this, the university has been ranked the No.1 private university in academic reputation in India by the QS World University Rankings 2025 and is among the top 2% of universities in the world. UPES has also been accredited by NAAC with a grade 'A' and has received 5 stars on Employability (placements), by globally acclaimed QS Ratings. The university has had 100% placements over the last five years. Forty-six (46) faculty members of UPES are among the world's top 2% researchers as per the Stanford University list.



# WHY UPES ONLINE?

**RANKED 45#**
**IN INDIA**
nirf
#University Category

**NO.1^ PRIVATE UNIVERSITY**
**IN ACADEMIC REPUTATION**
QS WORLD UNIVERSITY RANKINGS
*QS World University Rankings 2025

**NAAC A**
**ACCREDITED**
NAAC

UGC Entitled

**45% Average Salary Hike***
(As per Alumni survey)

**800+**
Recruiters

Esteemed Faculty from **IITs, IIMs and Ivy League**

**Exclusive Leadership** Courses

runway **250+ start-ups** Incubated

# ABOUT THE PROGRAM

In India's rapidly growing digital landscape, pursuing a Bachelor of Computer Applications (BCA) has become a highly sought-after degree with significant opportunities. The Cloud & Security specialisation within the BCA program at UPES Online, is designed to equip students with expertise in cloud computing and cybersecurity. In this specialisation, students explore topics such as cloud infrastructure management, virtualisation, network security, and data protection. These specialisations within the BCA program at UPES Online provide students with specialised knowledge and practical skills in areas that are highly relevant in today's technology-driven world. By selecting a specialisation that aligns with their interests and career goals, students can develop expertise in specific domains and enhance their prospects in the job market.

# KEY HIGHLIGHTS OF THE PROGRAM

**Interactive Live Sessions**
Learn directly from industry experts and global faculty through engaging live sessions.

**Dedicated Academic Advisor**
Receive personalised guidance and support for your academic and career journey.

**Real-World Application**
Acquire practical skills through engaging projects and case studies for real-life impact.



# WHO IS THIS PROGRAM FOR?

Those who have just completed their schooling as well as aspirants who want to pursue a career in Computer Applications.

Aspirants who want to jump-start their career in Computer Applications.

Aspirants who want to specialize in Computer Applications.

# ELIGIBILITY

- Minimum 45 percent marks or equivalent in XII from a recognised board with Mathematics / Computer Science / Information Technology as subjects in XII .
- Minimum 45 percent marks or equivalent in 3 years diploma recognised by AICTE after SSC (class X).
- **For candidates with Non-Mathematics /IT/Computer Science background**
  - Candidates who have not studied Mathematics /IT/Computer Science in class XII, will be required to complete a Basic Mathematics/Basic Computer Information Systems course, respectively along with the first semester courses.



# LEARNING **OUTCOMES**

- Understand, explore and apply knowledge of the fundamentals of computing theories, application and practices to cover fundamental areas including algorithms, data structures, and operating systems, programming languages (e.g., Python, Java, C++), database management, web development, software engineering, networking, and cybersecurity.
- Design and develop dynamic web applications using HTML, CSS, JavaScript, server-side technologies and manage databases using various database management systems (DBMS).
- Identify, analyze and communicate global, economic, legal, and ethical aspects of IT in the local and global context.
- Understand the impact of the professional management solutions in societal and environmental contexts and need for inclusive and sustainable development
- Recognize the need for and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological and managerial change.

# PROGRAM **FEES**

**Indian Students**

**₹1,50,000**

**International Students**

**$2,300**

**For FAQs - Visit upesonline.ac.in**



# CAREER PROSPECTS

- Cloud Developer
- Security Analyst
- Security Engineer
- Cloud Engineer
- Cloud Infrastructure Specialist
- Information Security Specialist

# CURRICULUM

## Semester 1

- Business Communication
- Computer and Information Technology
- Programming in C
- Network Basics
- Basic Mathematics

## Semester 2

- Individual Excellence and Social Dynamic
- Operating System Concepts
- Data Environment and Management
- Object Oriented Programming Using Java
- Fundamentals of Ecommerce

## Semester 3

- Python Programming
- Organizational Behavior
- Business Analytics
- Computational Statistics
- Innovation and Information Technology Management

## Semester 4

- Unix Operating System and Shell Programming
- Data Structure Using C
- Software Engineering & Modelling
- Applied Cloud Computing
- Cyber and Information Security

## Semester 5

- Introduction to Artificial Intelligence
- Data Warehousing and Mining
- Introduction to e-Governance
- Practical Approach to Cyber Security
- Cloud Development

## Semester 6

- Major Project
- Advanced Cyber Security
- Cloud Architecture
- Data Analysis Using Excel

## Electives

- Applied Cloud Computing
- Practical Approach to Cyber Security
- Cloud Development
- Advanced Cyber Security
- Cloud Architecture



# CAREER SERVICES

Our comprehensive career services guarantee your career preparedness and employability for the professional world.

- Career Orientation
- LinkedIn/Resume building guidance
- Mock Interviews
- Mentorship by industry experts
- Interview preparation

# RECRUITERS

NISSAN | wipro | accenture | KPMG

Adecco | LARSEN & TOUBRO | JPMorgan Chase & Co. | HSBC

McKinsey & Company | amazon



UPES ONLINE

UNIVERSITY OF TOMORROW

SCAN TO FOLLOW US ON in

1800-1031-495
enrollments.upesonline@upes.ac.in
www.upesonline.ac.in