UPES ONLINE
UNIVERSITY OF TOMORROW

upesonline.ac.in



MCA with Specialisation in

Cyber Security and Forensics

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 46, with a rank of 42 in engineering and a rank of 41 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 Rating. 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 Stanford University.



WHY UPES ONLINE?

RANKED 46
IN INDIA
nirf
#University Category

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

NAAC A
ACCREDITED
A NAAC

UGC Entitled

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

750+
Recruiters

12,000+ Career
Transitions

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

Exclusive
Leadership Courses

Access to 22,000+
Alumni Community

ABOUT THE PROGRAM

The global cybersecurity market is projected to grow at a CAGR of 13.4%, reaching $376.3 billion by 2028, driven by the increasing need to protect data and digital infrastructure from cyber threats. As industries like finance, healthcare, and IT face rising risks of cyberattacks, the demand for cybersecurity experts continues to soar, making it one of the most sought-after and high-paying career paths.

UPES Online's 2-year MCA in Cyber Security and Forensics equips students with cutting-edge skills in ethical hacking, digital forensics, malware analysis, and network security. The program focuses on emerging areas like blockchain security, cloud security, and penetration testing, ensuring learners are ready to address the challenges of modern cyber threats. With a curriculum blending technical expertise and real-world problem-solving, graduates are well-prepared to secure critical digital assets across industries.

KEY HIGHLIGHTS OF THE PROGRAM



Over 100 hours of self-paced tutorial videos featuring industry-oriented examples and case-study-based learning to enhance practical understanding.



Weekend live sessions conducted by seasoned academicians for in-depth learning.



Masterclasses and webinars by industry practitioners to bridge the gap between theory and practice.



A dedicated student support manager is assigned to guide and assist you throughout your academic journey.



Networking opportunities with peers to expand your professional connections and industry outreach.

in Learning

Complimentary access to LinkedIn career essential programs to enhance your job readiness and career prospects.

ELIGIBILITY

- Passed any graduation degree (e.g.: B.E. / B.Tech./ B.Sc / B.Com. / B.A./ B. Voc./ BCA etc.,) preferably with Mathematics at 10+2 level or at Graduation level. Obtained at least 50% marks in the qualifying examination.
- For candidates with Non-Mathematics /IT/Computer Science background Candidates who have not studied Mathematics /IT/Computer Science in XII std. / Graduation, will be required to complete a Basic Mathematics/Basic Computer Information Systems course, respectively. Final admission will be subject to qualifying the aforesaid course within 6 weeks of provisional admission.
- Relaxation in Eligibility Criteria for Candidates with Work Experience
  Candidates with minimum 2 years of work experience must have Bachelor's degree or equivalent in any discipline from a recognized university/institution with minimum 45 percent aggregate marks.



LEARNING **OUTCOMES**

- Utilise advanced programming languages like Python, Java, and C++ alongside algorithm design and data structures to create robust and efficient solutions addressing real-world cybersecurity challenges.
- Develop secure architectures using cryptography, network security protocols, and advanced technologies such as ethical hacking and penetration testing to protect systems against cyber threats and vulnerabilities.
- Apply digital forensic methods to investigate cyber incidents, recover digital evidence, and provide actionable insights for threat mitigation while adhering to legal and regulatory standards.
- Leverage tools such as AR/VR, Android application development, and web technologies to enhance cybersecurity frameworks, ensuring secure and seamless integration with modern IT infrastructures.
- Exhibit a deep understanding of ethical principles and professional practices in cybersecurity and forensics, ensuring responsible use of technology to safeguard privacy, data, and digital assets.

PROGRAM **FEES**

Indian Students

₹1,70,000

Duration

24 Months

For FAQs - Visit upesonline.ac.in



CAREER PROSPECTS

Entry-Level Cyber Security and Forensics:
At the entry level, critical success factors focus on basic operational efficiency, customer satisfaction, quality control, timely delivery, and cost management. These ensure smooth day-to-day operations and a reliable product or service.

Mid-Level Cyber Security and Forensics:
At the mid-level, the focus shifts to growth and competitiveness through innovation, talent management, brand recognition, customer retention, and market expansion. These factors help scale the business and improve its market position.

Experienced-Level Cyber Security and Forensics:
At the experienced level, critical success factors revolve around strategic leadership, building partnerships, data-driven decision-making, strong organizational culture, and leveraging technology for a competitive edge. These drive long-term success and market leadership.



CURRICULUM

Semester 1

- Advance Python Programming
- Data Base Management Systems
- Discrete Mathematics
- Object Oriented Programming using C++
- Advance Data Structures
- Information Technology and Cyber Security

Semester 2

- Web Technologies
- Operating Systems
- Design and Analysis of Algorithm
- Java Programming
- Crytography & Network Security
- Computer Graphics

Semester 3

- Object-Oriented Analysis and Design Using UML
- Computer Networks
- Advanced Java Programming
- Software Engineering and Project Management
- AR/VR Development
- Digital Forensics- I

Semester 4

- Project Dissertation
- Android Application Development
- Digital Forensics- II,
- Ethical Hacking & Penetration Testing



CAREER SERVICES

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

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

RECRUITERS

amazon | Coca-Cola | mahindra | KPMG

TATA TATA POWER | LARSEN & TOUBRO | Adecco | monolith

Amul | kinnect



UPES ONLINE

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SCAN TO FOLLOW US ON in

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