

# Online BCA in Cyber Security

An Online BCA in Cyber Security equips students with the essential knowledge to protect digital information from cyber threats. This program, conducted entirely online, covers computer science fundamentals, network security, cryptography, and ethical hacking. Students learn to identify vulnerabilities, implement security measures, and respond to cyber incidents. The curriculum is designed to provide practical skills through virtual labs and real-world scenarios, ensuring graduates are prepared for the rapidly evolving cybersecurity landscape. This degree is ideal for those seeking careers in IT security, risk management, and related fields, offering flexibility to study from anywhere while gaining valuable expertise in safeguarding digital assets.

## Syllabus of Online BCA in Cyber Security

<b>1<sup>st</sup> Semester Syllabus of Online BCA in Cyber Security</b>	<b>2<sup>nd</sup> Semester Syllabus of Online BCA in Cyber Security</b>
Introduction to IT & programming in C	Data Structures Using C
Basics of Mathematics	Software Engineering
Database Management System	Environmental Studies
Communication Skills	Internet Technologies
C' Programming Lab	Data Structure- Lab

<b>3<sup>rd</sup> Semester Syllabus of Online BCA in Cyber Security</b>	<b>4<sup>th</sup> Semester Syllabus of Online BCA in Cyber Security</b>
Object Oriented Programming using C++	Numerical Analysis and Statistical Techniques
Introduction to Operating System	Programming in Java
Web Applications Development	Computer System Architecture
Shell Programming	Security Operations Analyst Associate
Fundamentals of Cyber Security	Security, Compliance and Identity Fundamentals
	Programming in Java - Lab

<b>5<sup>th</sup> Semester Syllabus of Online BCA in Cyber Security</b>	<b>6<sup>th</sup> Semester Syllabus of Online BCA in Cyber Security</b>
Data Communication & Networking	Security of Information System
Python Programming	Cyber Forensics
Cryptography	Big Data Security
Cyber Threat Intelligence	Cyber Security Risk Management
Python Programming Lab	Project Work

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