

Cyber Security MASTER



ROLASOFT PROFESSIONAL COMPUTER & IT
COURSES VERSION 2.0 LATEST

Diploma in Certified Cybersecurity

*Become a job-ready Cybersecurity in 6
months!*

Benefits of Studying Diploma in Cybersecurity with RolaSoft

✓ 1. Industry-Relevant Curriculum

Stay ahead with a syllabus designed by industry experts, focused on real-world applications of cybersecurity.

✓ 2. Hands-On Training

Learn by doing — build real-time projects, develop applications, and gain practical experience.

✓ 3. Experienced Instructors

Gain insights from certified professionals and senior software engineers with years of teaching and industry experience.

✓ 4. Placement Assistance

Access job support services including resume building, mock interviews, and direct placement opportunities with partner companies.

✓ 5. Flexible Learning Modes

Choose between: **Online**, **Offline (at our center)**, or **Hybrid Classes**

Benefits of Studying Diploma in Cybersecurity with RolaSoft

✓ 6. Mini & Major Projects

Work on individual and group projects to strengthen your portfolio and impress future employers.

✓ 7. Certification Upon Completion

Earn a **Diploma Certificate** from **RolaSoft Technologies**, recognized by IT recruiters and employers.

✓ 8. Small Batch Size

Personalized attention and better interaction in small groups for an enhanced learning experience.

✓ 9. Affordable Fees & Installment Plans

Top-tier training at a reasonable cost, with flexible payment options.

✓ 10. Career-Oriented Skills You'll Gain at RolaSoft Technologies

RolaSoft ensures you're job-ready with the right tech stack and practical knowledge.

Diploma in Cybersecurity Course Details



Duration

Six (6) Months



Schedule

Weekdays / Weekends



Learning Modes

Online, Offline (at our center), or Hybrid Classes



Start Date

New batches start every month — enroll now!



Eligibility

No prior experience required

Cybersecurity Prerequisites

✓ Basic knowledge of networking, operating systems, and scripting (Python, Bash) is helpful but not mandatory.

Diploma in Cybersecurity – Program Details

Program Overview

This comprehensive six-month **Cybersecurity** course is designed to provide students with essential knowledge and practical skills in protecting computer systems, networks, and data from cyber threats. Through hands-on labs, real-world scenarios, and industry-standard tools, participants will develop competencies in ethical hacking, network security, cryptography, incident response, and security compliance.

By the end of the program, learners will be equipped to begin a career in cybersecurity roles such as **Security Analyst, Network Security Engineer, SOC Analyst, or Ethical Hacker.**

Diploma in Cybersecurity Course Curriculum

Month 1: Introduction to Cybersecurity & Networking Basics

- ✓ Overview of cybersecurity concepts, goals, and challenges
- ✓ Types of cyber threats and attack vectors
- ✓ Introduction to networking: TCP/IP, OSI model, subnets, ports, protocols
- ✓ **Hands-on:** Cisco Packet Tracer, Wireshark basics
- ✓ Intro to virtualization and lab setup (VirtualBox, VMware)

Diploma in Cybersecurity Course Curriculum

Month 2: Operating System & Network Security

- ✓ Windows and Linux security basics
- ✓ User privileges, file permissions, system hardening techniques
- ✓ Firewalls, IDS, IPS concepts and configurations
- ✓ VPN, Proxy, NAT, and port security
- ✓ **Hands-on:** Configuring firewalls and Snort IDS

Diploma in Cybersecurity Course Curriculum

Month 3: Ethical Hacking & Penetration Testing

- ✓ Introduction to ethical hacking frameworks
- ✓ Reconnaissance techniques: scanning, footprinting, enumeration
- ✓ Vulnerability assessment with Nmap and OpenVAS
- ✓ Exploitation basics using Metasploit Framework
- ✓ **Hands-on:** Penetration testing lab exercises

Diploma in Cybersecurity Course Curriculum

Month 4: Web Application & Wireless Security

- ✓ Web application vulnerabilities: SQL Injection, XSS, CSRF
- ✓ Web security testing with Burp Suite
- ✓ Wireless network vulnerabilities and protection
- ✓ **Hands-on:** Exploiting test web apps (DVWA, OWASP Juice Shop)
- ✓ Secure wireless configurations and attacks (WEP, WPA/WPA2)

Diploma in Cybersecurity Course Curriculum

Month 5: Cryptography & Security Automation

- ✓ Cryptography fundamentals: encryption, hashing, digital signatures
- ✓ Public Key Infrastructure (PKI) and SSL/TLS
- ✓ Automating security tasks using Python
- ✓ **Hands-on:** Password cracking, encoding/decoding exercises

Diploma in Cybersecurity Course Curriculum

Month 6: Incident Response, Forensics & Compliance

- ✓ Incident detection, analysis, and containment
- ✓ Basics of digital forensics and evidence handling
- ✓ Security policies, auditing, and compliance (ISO, PCI-DSS, HIPAA)
- ✓ SIEM basics and log analysis (Splunk)
- ✓ **Final project:** Simulated attack-defense scenario and incident report

Tools & Technologies Used

Tools & Technologies Used for **Cybersecurity** Course are:

- ✓ Kali Linux & Wireshark
- ✓ Nmap & Metasploit Framework
- ✓ Burp Suite & Splunk (SIEM)
- ✓ Cisco Packet Tracer
- ✓ VirtualBox/VMware
- ✓ OpenVAS
- ✓ Python (for basic security scripting)
- ✓ Snort (IDS/IPS)

Final Capstone Project (End of 6 Months)

Students will complete an **industry-level project** in **Cybersecurity** :

- ☒ Full-featured Simulated attack-defense scenario and incident report (Capstone Project)

Cybersecurity Learning Outcomes

By the end of this course, students will be able to:

- ✓ Understand core cybersecurity principles, threats, and countermeasures.
- ✓ Conduct network scanning, vulnerability assessments, and penetration tests.
- ✓ Identify and mitigate common malware, phishing, and social engineering attacks.
- ✓ Implement firewalls, IDS/IPS, VPNs, and endpoint protections.
- ✓ Perform basic incident response and forensic analysis.
- ✓ Comprehend security compliance standards (GDPR, ISO 27001, HIPAA).
- ✓ Write simple security automation scripts using Python.
- ✓ Prepare for industry certifications like **CompTIA Security+**, **CEH**, and **CND**.

Certification Obtain

After completion of the program, the student will be awarded with a certificate:

Diploma in Certified Cybersecurity

The program also prepares students for industry certifications such as:

- ✓ CompTIA Security+
- ✓ Certified Cybersecurity (CC)
- ✓ CompTIA CySA+ (Cybersecurity Analyst)
- ✓ Certified Information Systems Security Professional (CISSP)
- ✓ Certified Information Security Manager (CISM)

Cybersecurity Career Opportunities

- ✓ Security Analyst / SOC Analyst (Tier 1)
- ✓ IT Security Support / Helpdesk Technician
- ✓ Cybersecurity Technician
- ✓ Risk and Compliance Assistant
- ✓ Junior Penetration Tester
- ✓ Cybersecurity Analyst
- ✓ Security Engineer
- ✓ Cybersecurity Consultant
- ✓ Chief Information Security Officer (CISO)

Who Should Take This **Cybersecurity** ?

Who Should Take This **Cybersecurity** ?

- ✓ Fresh graduates in IT, Computer Science, or related fields
- ✓ IT professionals seeking to transition into cybersecurity roles
- ✓ Network administrators looking to upgrade their skills in security
- ✓ Software developers interested in secure coding practices
- ✓ Students preparing for industry certifications like CompTIA Security+, CEH, or CND
- ✓ Freelance IT consultants and system administrators
- ✓ Anyone interested in ethical hacking and penetration testing
- ✓ Tech enthusiasts passionate about ethical hacking, data protection, and cybercrime prevention

Rolasoft Technologies Services

Rolasoft Technologies – Services Offered

✓ **SOFTWARE DEVELOPMENT COMPANY**

(MOBILE APPLICATION, WEB APPLICATION, DESKTOP APPLICATION, CUSTOMIZED APPLICATION, E-COMMERCE WEBSITE)

✓ **PROFESSIONAL COMPUTER AND IT EDUCATION**

(TOP-UP PROGRAMS, DIPLOMA PROGRAMS, CERTIFICATE PROGRAMS, TECH @ SCHOOL, CORPORATE PROGRAMS, SIWES PROGRAMS, CUSTOMIZED PROGRAMS)

✓ **DIGITAL ADVERTISING AND BUSINESS BRANDING**

(SOCIAL MEDIA MARKETING, EMAIL MARKETING, CONTENT MARKETING, WEBSITE SEO, BRANDED CLOTHING, STICKERS AND TAG, CUSTOM BRANDING, AND MANY MORE)

✓ **INTERNATIONAL UNIVERSITY ADMISSION PROCESSING**

(AMERICA, UK, CANADA, EUROPE, AFRICA, AND MANY MORE)

Contact & Registration

 Phone: +234 8032867212, +234 8082171242

 Email: info@rolasofttech.com

 Website: www.rolasofttech.com

 Address: 2, Martins Street Off Ojuelegba Road, Yaba, Lagos State.



Enroll Today & Start Your Cybersecurity Journey!
Shape your future with Cybersecurity.