somakodi
Create, Code, Innovate

SOMAKODI

BROCHURE

CYBERSECURITY

Cybersecurity is at the core of every digital interaction we rely on today from online banking and cloud services to mobile apps, corporate networks, and government systems. Cyber threats have surged and grown more frequent, sophisticated, and damaging.

The curriculum is designed to take complete beginners and guide them step-by-step into becoming confident, job-ready cybersecurity practitioners through hands-on labs, real-world attack simulations, and exposure to modern security tools. You will gain not only technical knowledge but also the critical thinking and problem-solving mindset required in the cybersecurity field.

Every module emphasizes practical application, ensuring you build the skills, confidence, and experience employers look for. By the end of the program, you will have mastered essential cybersecurity domains, including network security, ethical hacking, threat analysis, incident response, and security operations, and you will also understand how to identify vulnerabilities, secure systems, and defend organizations against real cyber threats. Whether you're looking to start a tech career, upskill for better job opportunities, or transition into one of the fastest-growing fields globally, this program equips you with everything you need to thrive in the dynamic world of cybersecurity.

PREREQUISITES

This is a beginner-friendly Cybersecurity program with no prior experience required. While some students may have explored cybersecurity on their own or worked in tech-related roles, no formal background is necessary. Whether you're just starting out or seeking to formalize your skills, our curriculum is designed to equip you with the tools, techniques, and best practices that today's cybersecurity employers value and show you how to apply them in real-world scenarios.

Why learn CyberSecurity

1. High Demand Career

Cybersecurity professionals are in global demand. Every industry, from finance and healthcare to education and government, needs experts to protect their systems and data.

2. Career Flexibility and Growth

Cybersecurity offers a wide range of roles: analyst, penetration tester, security engineer, cloud security specialist, compliance officer, and more. You can work in diverse environments, remote, on-site, freelance, or for international organizations.

3. Protect People and Organizations

You'll play a vital role in defending individuals, companies, and communities from digital threats like fraud, data breaches, and ransomware. Your work has real impact and meaning, every secure system helps build a safer digital world.

4. Great Earning Potential

Cybersecurity roles are among the highest-paying in tech, even at entry level.
Specialized skills like ethical hacking, cloud security, and threat analysis often come with premium salaries.

5. Low Barrier to Entry for Starters

You don't need a computer science degree to get started. Many programs are beginner-friendly, and with the right training, you can earn certifications and land your first job in months.

6. Creativity and Real-World Impact

It's a perfect career for curious minds. You'll keep learning new and modern technologies, tools, and tactics as threats evolve.
If you enjoy puzzles, research, or problem-solving, cybersecurity offers a lifetime of challenges.

Why Study at Somakodi SChool

Somakodi is one of the most successful tech boot camps in Kenya. Join us and get top-tier learning & student experience.

- Professional and experienced team
- Practical hands-on learning
- Enhanced digital-first learning
- Financial Aid Opportunities
- Immersive Curriculum
- Job placement support

Who is this course for?

- **Beginners with No Tech Background:**

Individuals curious about cybersecurity with no prior experience; Career changers from non-tech fields (e.g., education, business, law, etc.); Recent graduates exploring tech careers.

- **IT Professionals Looking to Specialize:**

System administrators, network engineers, or support staff who want to move into cybersecurity roles. Developers or QA engineers interested in secure coding or application security.

- **Startup & SME Employees, Entrepreneurs**

Individuals building websites, apps, or digital services who want to learn how to secure their products and tech teams who want to help secure company systems and data.

What are the requirements for learners?

- **Computer Literacy**

  Comfortable using a computer (installing software, navigating file systems, using a browser). Familiarity with operating systems (Windows, Linux, macOS is a plus).

- **Knowledge of the English language both Spoken and written**

  Have a good Knowledge of the English language both Spoken and written

- **Reliable Internet Access and a Personal Computer**

  A laptop or desktop with at least 4GB RAM (preferred), and a stable internet connection for online learning, labs, and tools.

- **Basic Understanding of Networking**

  Concepts like IP addresses, firewalls, and how the internet works can make learning faster, but these are also covered early in this course.

Somakodi CyberSecurity Program Overview

- **Course Model : Live classes and 100% Online**
- **Learning Duration : 6 - Months**
- **Classes Schedule : Monday - Friday**
- **Class Timings : Flexible Schedule**
- **Program Fees : Kes. 75,000/=**

Teaching Method (Somakodi Classroom)

- Daily hands-on code sessions with class tutor
- Assignment/Practice tasks after each lesson
- Weekly quizzes & mini-projects
- Student Project presentation

Throughout this expert-designed program, you'll:

- **Cybersecurity Fundamentals:** Learn core security principles, explore threats like phishing and malware, and understand the CIA triad (Confidentiality, Integrity, Availability).
- **Networking & Security Protocols:** Gain hands-on knowledge of network operations, firewalls, VPNs, and intrusion detection/prevention systems.
- **System & OS Security:** Harden Windows and Linux systems, manage user access, and apply secure system configurations.
- **Ethical Hacking & Penetration Testing:** Discover how attackers operate, and use tools like Nmap, Metasploit, and Burp Suite to identify vulnerabilities.
- **Security Operations & Incident Response:** Monitor threats using SIEM tools, analyze logs, and respond to real-world security incidents.
- **Tools & Automation:** Learn to automate security processes using Python and Bash, and apply popular cybersecurity tools to defend systems.
- **Cloud & Application Security:** Understand how to protect cloud environments (AWS, Azure) and develop secure applications with encryption and IAM best practices.
- **Risk Management & Compliance:** Assess cybersecurity risks and explore global standards like GDPR, ISO 27001, and HIPAA.

CURRICULUM OVERVIEW

Onboarding

- Course Overview
- System configurations and installations
- Digital learning orientation
- Introduction to Cybersecurity & Career Paths

Networking & System Security

- Deeper Dive into Network Security
- Firewalls, IDS/IPS, VPNs, and Proxies
- Operating System Security: Windows & Linux
- User Access Control, Patching & Updates
- Secure Configuration & Hardening Techniques

Ethical Hacking & Penetration Testing

- Ethical Hacking Fundamentals & Legal Considerations
- Pen Testing Methodology (Recon, Scanning, Exploitation)
- Tools: Nmap, Metasploit, Burp Suite, Wireshark
- Vulnerability Scanning & Reporting

Security Operations & Incident Response

- Introduction to Security Operations Center (SOC)
- SIEM Tools & Log Analysis (Splunk/ELK Basics)
- Threat Hunting & Alert Tuning
- Incident Response Lifecycle
- Digital Forensics Fundamentals

Cloud & Application Security

- Introduction to Cloud Platforms (AWS, Azure)
- Securing Cloud Environments: IAM, Encryption, Shared Responsibility
- Web Application Security (OWASP Top 10)
- Secure Development Practices (SSDLC)

Python for cybersecurity - 8 weeks

- Python Foundations for Cybersecurity
- Networking, Web Requests & Automation
- Packet Analysis, APIs & Cryptography
- Automation, Penetration Testing & OSINT
- Malware Analysis, Forensics & Capstone

Risk, Compliance & Capstone Project

- Risk Management & Cybersecurity Policies
- Compliance Standards: ISO 27001, GDPR, HIPAA, NIST
- Building a Cybersecurity Program in an Organization
- Capstone Project: Simulate a Full Cybersecurity Audit or Defense Strategy
- Career Prep: Resume Review, Interview Practice, Job Application Support

SOMAKODI
SCHOOL ADMISSION

WHERE LEARNING COMES TO LIFE!

A hub of academic excellence, creativity, and personal growth! We invite prospective students and families to embark on an exciting educational journey with us.

Why Choose Somakodi School?

- Academic Excellence
- Inclusive Community
- Holistic Development
- State-of-the-Art Facilities

What are the benefits of online learning?

- Flexibility and Convenience
- Personalized Learning Experience
- Develop Self-Discipline and Tech Skills
- Cost-Effective

Join Somakodi School and let your educational journey begin

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ENROLL TODAY!