MORINGA
Discover · Grow · Transform

Cybersecurity Bootcamp

In partnership with:

// FLATIRON SCHOOL

Introduction

Africa's top Tech Bootcamp, Moringa, partners with Flatiron to offer this Cybersecurity Bootcamp.

The Cybersecurity Bootcamp equips learners with essential knowledge and skills to tackle modern cybersecurity challenges. It emphasizes hands-on learning with industry standard tools and methodologies, preparing learners for real-world applications across network security, system administration, incident response, and penetration testing.

Why Learn Cybersecurity?

The course covers various fundamental cybersecurity concepts, including network security, threat management, Python for cybersecurity, pentesting, and risk management. This foundational knowledge is crucial for anyone entering the cybersecurity field.

1   **Practical & project-based learning**

2   **Unlimited Access to industry-relevant projects & Labs**

3   **Dedicated Technical mentor support**

4   **Free certification exam prep materials**

5   **Certification – A certificate of completion from Moringa**

Who is this course for?

- **University Ongoing Students & Graduates:** seeking to bridge the gap between academic knowledge and practical, job-ready skills in cybersecurity.

- **IT Professionals:** who are interested in upskilling or changing their careers to cybersecurity.

- **Anyone who has completed the Introduction to Cybersecurity Course**

What are the requirements to join?

Have basic IT/computer literacy skills	Familiarity with command-line interfaces and scripting	Proficiency in English both spoken and written.	Must have a computer or laptop with the following specs (core i5 - i7, 8GB RAM, 500GB	Access to internet

Course Overview

Part-Time Online Classes	Full-Time Online Classes
Duration - 32 weeks	**Duration -** 26 weeks
Mode - 100% live & online classes	**Mode -** 100% live & online classes
Mon to Fri from 6 pm - 9 pm E.A.T	Mon - Fri from 8 am - 5 pm E.A.T
Tuition Fees - Ksh 200,000	**Tuition Fees -** Ksh 200,000

Fee Payment Options Available

1 Upfront Full Fee Payment

2 Fees Installment Plan

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Course Outline

Orientation & Onboarding

- Orientation & Environment Setup
- Course Overview
- Accounts setup
- Tools, system configurations, and installations

Module 1 & 2: Cybersecurity Essentials

- **Introduction to Cybersecurity** [security principles, cyber threats landscape, controls & defense-in-depth, security roles, ethics]
- **Introduction to Python** [core syntax & types; files/JSON/CSV; CLI scripting for security data, simple automation for log/IOC parsing]
- **Operating Systems & Networking** [Linux CLI essentials, networking and protocols fundamentals]

Career Incubator I

- Build your professional brand with a standout resume, LinkedIn profile, and portfolio.
- Resume + project + labs portfolio skeleton review

Module 3: Cybersecurity Foundations I

- **System Hardening** [Windows AD attack awareness; Linux/Windows baselines; CIS/Lynis usage; auditing users/groups; secure configs & monitoring.]
- **Threat Intelligence** [CTI fundamentals - applied CTI; threat models; producing intel & using MITRE ATT&CK in analysis.]
- **SIEM & Threat Hunting** [Intro to SIEM & advanced use; hypothesis-led hunting with MITRE.]
- **Labs & Quizzes**

Course Outline

Health & Wellness Break

Module 4&5: Cybersecurity Foundations II

- **Security Architecture & Frameworks** [Secure architecture; secure network architecture; micro-segmentation/zero-trust; cloud security architecture]
- **Incident Response** [IR lifecycle; prioritization, classification; ransomware scenario.]
- **Penetration Testing** [Vulnerability management concepts; assessment workflow]
- **Penetration Testing on Web/Mobile Applications** [Vulnerability scanning tools/ techniques; prioritization; reporting components; hands-on assessment workflow.]
- **Labs & quizzes**

Career Incubator II

- **Practice technical and behavioral questions to refine your portfolio**
- **Mock interviews + Feedback sessions**

Module 6: Cybersecurity Capstone Project Period

- **End-to-end project** (blue-team content + hunts, or red-team/pentest, or GRC/IR case).
- **Capstone Project Labs**
- **Summative Labs: Cybersecurity Analysis/Security Architecture**
- **Summative Quiz**

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