



SIIMT

**University
College**

CERTIFICATE IN CYBER SECURITY

ETHICAL HACKING

COURSE SYLLABUS

Duration - 3 Months [Level-1]



WHY CHOOOSE US ?

PRACTICAL HANDS-ON

BRIDGING KNOWLEDGE WITH EXPERIENCE, SHAPING SKILLS, AND PREPARING FOR REAL-WORLD SUCCESS

INDUSTRY

EXPERTS
STUDENTS LEARN FROM INDUSTRY EXPERTS, SHAPING SKILLS FOR REAL-WORLD SUCCESS AND JOB MARKET.

UPDATED SYLLABUS

OUR SYLLABUS ENRICHES LEARNING, FOSTERING SKILLS, AND PREPARES STUDENTS FOR A BRIGHTER FUTURE



OUR TEACHING STRATEGY

Each module will include a combination of theoretical concepts, practical exercises, and real-world case studies to ensure that students gain a comprehensive understanding of data analysis techniques and tools.





OUR REQUIREMENT

- BASIC UNDERSTAND OF COMPUTER AND ICT
- For complete beginners we offer ICT course tailored to meet this prerequisite





LAPTOP REQUIRED

- Windows OS
- Minimum i5 processor
- Minimum 8GB RAM
- 250Gb+ Required Storage Space

FEES

- **GHC 4,000** for Ghanaians
- **GHC 4,750** for Non-Ghanaians
- Hostel Facilities available!



DURATION OF THE COURSE

- 3 - MONTHS (APPROXIMATELY)

WEEKDAY EVENING BATCHES

- **BATCH 1 - MONDAY & TUESDAY**
 - 6:00 PM to 8:00 PM
- **BATCH 2 - WEDNESDAY & THURSDAY**
 - 6:00 PM to 8:00 PM

WEEKEND EVENING BATCH

- **BATCH 1 - SATURDAY**
 - 9:00 AM to 1:00 PM
 - 2:00 PM to 5:00 PM

LEVEL 1

CERTIFIED INFORMATION SECURITY EXPERT



In this module, students will be introduced to the fundamentals of ethical hacking, including its importance, basic concepts, and techniques.

Topics covered will include:

- Module 1: Cyber security And Its Basic
 - Government principles
 - Importance and basic concepts
 - Cyber kill chain
- Module 2: Fundamentals And Encryption
 - Overview of programming fundamentals
 - Data types, control structures, functions
 - Lab Setup
- Module 3: Networking
 - Network services
 - HTTP/DNS
 - Basic Networking Tools
- Module 4: Linux Fundamentals
 - Linux Basics
 - Linux Advance



- Module 5: Python Skills
 - Understanding Python
 - Python Uses and Basics
- Module 6: Attacks
 - Types of Attacks
 - Common Attacks
 - Awareness of Password Protection
- Module 7: Cryptography
 - Cryptography and its uses
 - Cryptography Fundamentals
- Module 8: Attacking Tools and PenTesting
 - Basic Attacking Tools
 - Metasploit
 - Techniques for exploitation
 - Dos/DDos Attacks
 - IPS/IDS/Firewalls
 - SQL Fundamentals and Injections

TO REGISTER FOR DIPLOMA IN CYBER SECURITY

[CLICK HERE](#)

OR

Visit www.siimtuni.edu.gh to apply now



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SIIMT UNIVERSITY COLLEGE

OUR GOAL

We aim to provide high-quality education with practical hands-on training, preparing students for leadership roles and employment opportunities.



EXCELLENCE



INNOVATION



PRACTICALITY



INTEGRITY

ABOUT US

- The SIIMT is an Indian-based Ghanaian University College established in 2013 at Labone, Accra before relocating to its current premises near the Nima Police Station at the foot of the Nima-Kanda overpass, Accra in 2018
- The SIIMT was accredited by the **Ghana Tertiary Education Commission (GTEC)** in 2019 to run the Undergraduate Programmes affiliated to University of Cape Coast. It was also accredited by the **Council for Technical and Vocational Education and Training (CTVET)**, to run technical and vocational courses.





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University College

CONTACT US

ACCRA BRANCH

Nima Kanda Overhead

057 080 1631

057 644 4450

SPINTEX BRANCH

18 Junction, Spintex

057 6444 457

057 6444 458

Visit Us on www.siimtuni.edu.gh