



Information Technology

## Cybersecurity Bootcamp

## Course Introduction

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This training course is designed to help participants gain a global perspective of the challenges of designing a secure system, touching on all the cyber roles needed to provide a cohesive security solution. Through lecture, labs, and breakout discussion groups, you will learn about current threat trends across the Internet and their impact on organizational security. You will review standard cybersecurity terminology and compliance requirements, examine sample exploits, and gain hands on experience mitigating controls.

## Target Audience

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- Software Developers
- Software Engineers
- Data Architects
- System Administrators
- DevOps

## Learning Objectives

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- Operate systems work, their role in modern systems, and essential troubleshooting techniques.
- Disparate components connect to form complex networks.
- Master the concepts of popular communication protocols, the configuration of routers/ switches, and TCP/IP implementation.
- Learn data security and auditing fundamentals.
- Identify, evaluate, and mitigate risks.
- Learn best practices of securing software and hardware assets.
- Develop proficiency in Python programming.

- Discover how malicious hackers attack systems and learn the tactics needed to thwart online attacks.
- Explore the role played by Cybersecurity Analysts and learn the skills required to thrive in this demanding role.

## Course Outline

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- **Day 01**

- Module 1: Hardware and Operating System Fundamentals
- Module 2: Networking Fundamentals

- **Day 02**

- Module 3: Security Fundamentals

- **Day 03**

- Module 4: Python Programming: Introduction (LO-94010)

- **Day 04**

- Module 5: Ethical Hacking

- **Day 05**

- Module 6: CompTIA Cybersecurity Analyst (CySA+) or CompTIA PenTest+

# Confirmed Sessions

FROM	TO	DURATION	FEEs	LOCATION
May 19, 2025	May 23, 2025	5 days	4250.00 \$	UAE - Dubai
Aug. 4, 2025	Aug. 8, 2025	5 days	4250.00 \$	UAE - Dubai
Dec. 22, 2025	Dec. 26, 2025	5 days	4950.00 \$	Malaysia - kuala lumpur
May 25, 2025	May 29, 2025	5 days	4250.00 \$	Oman - Muscat