

Networking Academy Summer Camp

- Concept Note
August - September 2023
Middle East & Africa



MISSION



With the shift towards remote and hybrid working models, it is now crucial to become digital and technological smart to mitigate the high risks and damages caused by cyber crimes. With every new location and method used by an employee to work, complexity for IT teams to mitigate threat exposure is doubled.



Our mission as Cisco's Networking Academy is to support, upskill, and educate its learners to become digital literate and ready to be the next generation of cyber-heroes by closing the cybersecurity, networking and programming skills gap; crucial for a cyber-safe environment.



To achieve this mission, the Networking Academy offers an opportunity to join our “Summer Camp Initiative”, providing many courses to its learners and students who have had an experience learning with NetAcad and/or last-callers before graduation, to enjoy many training sessions, discussion forums, hands-on experience with Packet Tracer and live sessions as well, provided by Cisco Certified Instructors.

The need for a skilled workforce



85 million
jobs

Displaced by a shift in labor between
humans and machines by 2025¹



97 million
new jobs

Created by digital transformation by
2025¹

1. "Future of Jobs," World Economic Forum

The skills gap

3.5 Million

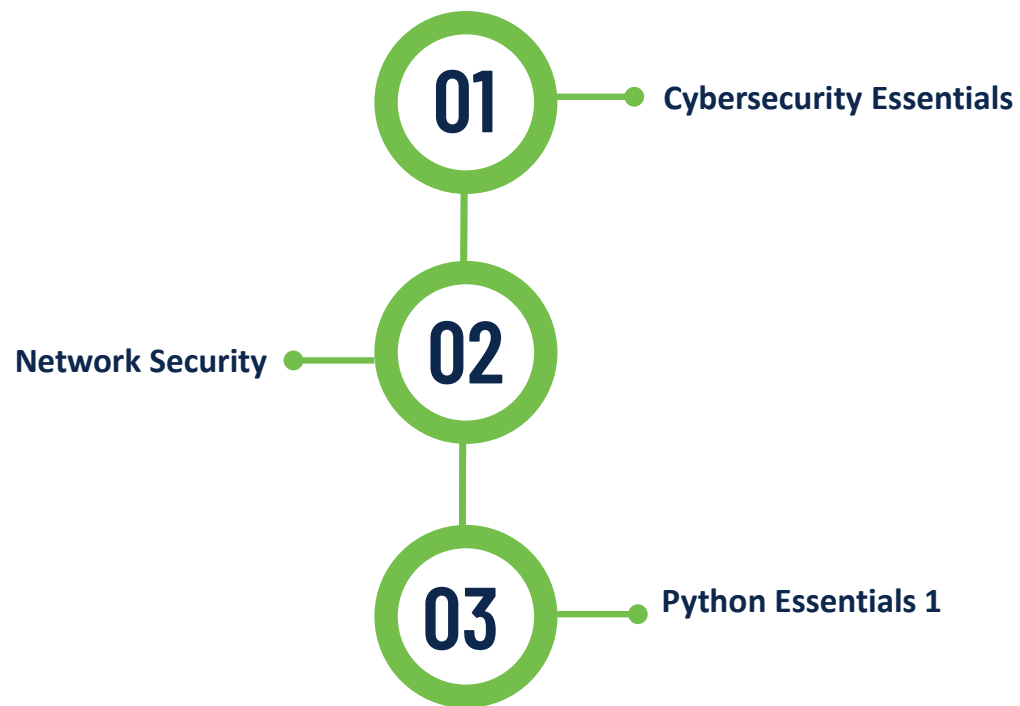
undersupply of cybersecurity professionals worldwide

Continued lack of cybersecurity professionals threatens economic growth.

It is vital to have professionals who can provide cybersecurity leadership, test and secure systems, and train people in digital hygiene.

Methodology

Tracks and Courses



Initiative Practicalities:

01

We offer different tracks, in order to deliver a comprehensive and inclusive experience to our learners as; Cybersecurity & Programming

The initiative will be run during August till end of September of 2023; virtually/remotely.

02

Delivered courses will provide an opportunity to gain knowledge and skills with hands-on experience.

03

Students successfully completing the mentioned courses; Network Security, Python & Cybersecurity Essentials, will be able to receive **Networking Academy's certificate.**

04

Initiative Practicalities:

05

A registration form will be shared with Academies to collect students' preferences and input.

Training will be mostly asynchronous to fit with the students' schedules.

06

Learners and participants will have the opportunity to enjoy many training sessions, discussion forums, hands-on experience with Packet Tracer and live sessions as well

07

Course Offerings



Cybersecurity Essentials

Course Overview

This course covers essential knowledge for all cybersecurity domains including information security, systems security, network security, ethics and laws, and defense and mitigation techniques used in protecting businesses.

Benefits

The demand for security professionals continues to grow. Develop a foundational understanding of cybercrime, security principles, technologies, and procedures used to defend networks.

Explores Opportunities in Technology

- ✓ Builds cybersecurity foundation
- ✓ Offer the next step in exploring the many career possibilities in cybersecurity
- ✓ Help learners determine if they want to pursue job roles in networking or cybersecurity

Course Details

Target Audience: Secondary and 2-year college vocational students

Estimated Time to Completion: 30 hours

Prerequisites:

- Introduction to Cybersecurity
- Foundational networking knowledge (equivalent of Networking Essentials)

Course Delivery: Instructor-guided or Self-paced

Learning Component Highlights:

- ✓ 8 Modules and 14 practice labs
- ✓ 12 Cisco Packet Tracer activities
- ✓ Interactive activities & quizzes
- ✓ 1 final exam

Course Recognitions: Digital Badge

Recommended Next Course:

CyberOps Associate or Cloud Security or Network Security, or IoT Security



Requirements

- ASC Alignment Required: No
- Instructor Training Required: No
- Physical Equipment Required: No

Network Security

Course Overview

This course introduces the core security concepts and skills needed to configure and troubleshoot computer networks and help ensure the integrity of devices and data.

Benefits

Gain practical, hands-on skills to design, implement, and manage network security systems and ensure their integrity.

Prepare for Careers

- ✓ Build expertise in network security and data protection
- ✓ Develop skills for entry-level network security specialist roles
- ✓ Gain industry in-demand skills aligned with the National Institute for Standards and Technology (NIST) Cybersecurity Framework

Course Details

Target Audience: 2-year and 4-year college students in Networking or Engineering programs

Estimated Time to Completion: 70 hours

Recommended Preparation: Basic understanding of computer networks (CCNA: Introduction to Networks and CCNA: Switching, Routing, and Wireless Essentials, or equivalent)

Course Delivery: Instructor-led

Learning Component Highlights:

- ✓ 22 modules and 25 practice labs
- ✓ 22 Cisco Packet Tracer activities
- ✓ 87+ interactive activities, videos, and quizzes
- ✓ 1 final exam

Course Recognitions: Certificate of Completion, Letter of Merit, Digital Badge

Recommended Next Course:
CyberOps Associate, Cloud Security, IoT Security



Requirements & Resources

- ASC Alignment Required: Yes
- Instructor Training Required: Yes
- Physical Equipment Required: Yes
- Discount Availability: Not Applicable

Quick Links

[Course Page](#)

[Course Demos](#)

(Available for select courses)

[List of All Courses](#)

(Includes language availability)



Hands-on practice with
Cisco Packet Tracer

Python Essentials 1

Course Overview

This course teaches in-demand skills including how to design, develop, and improve computer programs using Python.

Benefits

Used by startups and tech giants like Google, Facebook, Netflix, and more, Python with user-friendly with easy-to-read code offers endless possibilities for creating small and large-scale software projects.

Explore Opportunities in Technology

- ✓ Explores the world of computer programming and the careers it offers
- ✓ Develops coding skills using Python
- ✓ Teaches about data types, variables, I/O operations, control flow and functions

Course Details

Target Audience: Secondary and 2-Year college students, general audience

Estimated Time to Completion: 30 hours

Prerequisites: None

Course Delivery: Instructor-guided or Self-paced

Learning Component Highlights:

- ✓ 4 modules and 30 practice labs
- ✓ Interactive activities & quizzes
- ✓ 1 final project
- ✓ 1 final test

Course Recognitions: Digital Badge

Certification Aligned: PCEP: Certified Entry-Level Python Programmer certification

Recommended Next Course:
Python Essentials 2

[View Course](#)



Requirements

- ASC Alignment Required: No
- Instructor Training Required: No
- Physical Equipment Required: No

Developed in collaboration with





The bridge to possible