



Network administration
System administration
with concentration in
Cyber Security
&
Cloud technologies

SKILL-UP

P

PROGRAM

The curriculum covers, in twenty one weeks, all the IT concepts enabling students to develop the key competence and skills that companies are seeking globally.

Through the four-month core courses, students will gain theoretical and practical experience in advanced administration of networks and systems. They will also acquire technical skills in basic network and system security, cloud technologies and python programming language which are a must know in the IT world.

The program also includes two five-week specialization (or concentration) sets of courses to choose from. The student will be able to pick a pack according to his preferences in order to pursue his path towards either cloud or cybersecurity proficiency.



P

PROGRAM

Compulsory courses (Core)

- CCNA (2 weeks)
- RHCSA (2 weeks)
- JNCIA-SEC (1 week)
- AWS solutions architect - associate (2 weeks)
- PCAP (2 weeks)
- MTA Windows server administration (1 week)
- MTA security (1 week)
- CCNP enterprise (ENARSI) (3 weeks)
- RHCE (2 weeks)

Specialization courses

1. Cloud:

- AWS solutions architect - professional (2 weeks)
- CKA (1 week)
- Google Professional Cloud DevOps Engineer (2 week)

2. Security:

- CEH (2 weeks)
- NSE4+NSE5 (1 week)
- NSE7 (1 week)
- JNCIS-SEC (1 week)



P

PROGRAM

Courses description

CCNA

CCNA covers networking fundamentals, IP services, security fundamentals and much more. Designed for agility and versatility, CCNA validates that you have the skills required to manage and optimize today's most advanced networks.

More details: [CCNA course outline](#)

RHCSA

Studying for the RHCSA certification will enable the student to perform the core system administration skills required in Red Hat Enterprise Linux environments.

More details: [RHCSA course outline](#)

JNCIA-SEC

The course provides students with the foundational knowledge required to work with the Junos operating system and to configure Junos security devices. Students will gain foundational knowledge of security objects, security policies, security services NAT, site-to-site IPsec VPN, and Juniper Secure Connect VPN as well as experience in configuring and monitoring Junos OS and monitoring basic device operations on the SRX device.

More details: [JNCIA-SEC course outline](#)



P

PROGRAM

AWS solutions architect - associate

Through this course, the student will develop talent and critical skills for implementing cloud initiatives and learn the ability to design and implement distributed systems on AWS.

More details: [AWS solutions architect - associate course outline](#)

PCAP

PCAP program will familiarize the student with general computer programming concepts and will polish the ability to accomplish coding tasks related to the basics of programming in the Python language and the fundamental notions and techniques used in object-oriented programming.

More details: [PCAP course outline](#)

MTA Windows server administration

This course will get the student familiar with the concepts and the technologies of Windows Server administration. It offers the opportunity to get hands-on experience with Windows Server, Windows-based networking, Active Directory, account management, and system recovery tools and concepts.

More details: [MTA windows server administration course outline](#)

MTA security

The MTA security is a first step into the IT security field. It will provide fundamental security knowledge and skills through hands-on experience with Windows Server, Windows-based networking, Active Directory, anti-malware products, firewalls, network topologies and devices, and network ports.

More details: [MTA security course outline](#)



P

PROGRAM

CCNP enterprise (ENCOR + ENARSI)

CCNP is the next step towards networking excellence. It includes a core course and a concentration course. The core course (ENCOR) will reinforce knowledge learned during CCNA as well as developing further skills in implementing core enterprise network technologies including dual stack (IPv4 and IPv6) architecture, virtualization, infrastructure, network assurance, security and automation.

On the other hand, the ENARSI concentration course helps the student specialize in implementation and troubleshooting of advanced routing technologies and services including Layer 3, VPN services, infrastructure security, infrastructure services, and infrastructure automation.

More details: [CCNP ENCOR course outline](#)

More details: [CCNP ENARSI course outline](#)

RHCE

RHCE helps you to learn how to manage systems in a DevOps environment. This course will develop your automation skills to complement your deployment and configuration expertise, you will gain knowledge and experience in managing multiple systems using Red Hat Ansible Automation Platform and executing common system administration tasks across a number of systems with Ansible.

More details: [RHCE course outline](#)

