



STUDENTS INDUSTRIAL WORK EXPERIENCE SCHEME
SIWES



**ROLASOFT PROFESSIONAL COMPUTER & IT
COURSES VERSION 2.0 LATEST**

SIWES Diploma in CompTIA Network+

*Become a job-ready CompTIA Network+ in 3-6
months!*

Benefits of Studying with RolaSoft

✓ 1. Industry-Relevant Curriculum

Stay ahead with a syllabus designed by industry experts, focused on real-world applications of CompTIA Network+.

✓ 2. Hands-On Training

Learn by doing — build real-time projects, full-scale CompTIA Network+.

✓ 3. Experienced Instructors

Gain insights from certified professionals and senior certified ethical hacker with years of teaching and industry experience.

✓ 4. Placement Assistance

Access job support services including resume building, mock interviews, and direct placement opportunities with partner companies.

✓ 5. Flexible Learning Modes

Choose between: **Online**, **Offline (at our center)**, or **Hybrid Classes**

Benefits of Studying with RolaSoft

✓ 6. Mini & Major Projects

Work on individual and group projects to strengthen your portfolio and impress future employers.

✓ 7. Certification Upon Completion

Earn a **Diploma Certificate** from **RolaSoft Technologies**, recognized by IT recruiters and employers.

✓ 8. Small Batch Size

Personalized attention and better interaction in small groups for an enhanced learning experience.

✓ 9. Affordable Fees & Installment Plans

Top-tier training at a reasonable cost, with flexible payment options.

✓ 10. Career-Oriented Skills You'll Gain at RolaSoft Technologies

RolaSoft ensures you're job-ready with the right tech stack and practical knowledge.

SIWES Overview

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SIWES (Student Industrial Work Experience Scheme) is a structured industrial training program designed for students in Nigerian tertiary institutions studying science, engineering, technology, and other professional courses. It is coordinated by the **Industrial Training Fund (ITF)** and serves as a bridge between academic knowledge and practical industry experience.

Typically conducted for a duration of **3–6 months**, SIWES places students in real work environments related to their field of study. During this period, they apply classroom theory to practical tasks and gain firsthand understanding of workplace expectations and professional practices.

Advantages of SIWES to Students

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Hands-On Experience: Provides real-world exposure and practical knowledge in the student's field.

Bridging the Skills Gap: Helps students connect academic theories with industry practices.

Career Readiness: Prepares students for post-graduate employment by developing technical and soft skills.

Professional Networking: Offers opportunities to build relationships with industry professionals.

Improved Employability: Enhances resumes/CVs with relevant work experience that employers value.

Understanding of Workplace Culture: Teaches students workplace ethics, teamwork, and communication.

Opportunity for Future Placement: Sometimes leads to job offers or future internships with the same organization.

SIWES CompTIA Network+ Course Details



Duration

Three-Six (3-6) Months



Schedule

Weekdays / Weekends



Learning Modes

Online, Offline (at our center), or Hybrid Classes



Start Date

New batches start every month — enroll now!



Eligibility

No prior experience required

SIWES CompTIA Network+ – Program Details

Program Overview

The **CompTIA Network+** certification validates the essential skills needed to confidently design, configure, manage, and troubleshoot wired and wireless networks. This vendor-neutral course focuses on networking concepts, infrastructure, operations, security, and network troubleshooting techniques — making it ideal for anyone aiming for a career in **network administration or IT infrastructure support**.

SIWES CompTIA Network+ - Target Audience & Prerequisites

Target Audience:

- ✓ Students pursuing IT, Computer Science, or Network Engineering programs; early-career IT professionals, especially for SIWES or internships students.

Prerequisites:

- ✓ CompTIA A+ certification or equivalent knowledge in computer hardware and operating systems is recommended.

SIWES CompTIA Network+ Course Curriculum

Module 1: Networking Concepts

- ✓ OSI and TCP/IP Models
- ✓ Common networking protocols (TCP, UDP, IP, ICMP, ARP)
- ✓ Subnetting and IP addressing (IPv4/IPv6)
- ✓ Ports and protocols (HTTP, HTTPS, FTP, SSH, DNS)

SIWES CompTIA Network+ Course Curriculum

Module 2: Network Infrastructure

- ✓ Network devices (routers, switches, firewalls, access points)
- ✓ WAN technologies (DSL, cable, fiber, satellite, MPLS)
- ✓ Network topologies (star, mesh, bus)
- ✓ Cabling types and connectors (Ethernet, fiber optics, coax)

SIWES CompTIA Network+ Course Curriculum

Module 3: Network Operations

- ✓ Network monitoring tools
- ✓ Configuration backups and disaster recovery
- ✓ Performance optimization
- ✓ Documentation and diagrams
- ✓ Remote access and VPNs

SIWES CompTIA Network+ Course Curriculum

Module 4: Network Security

- ✓ Physical and logical security
- ✓ Common network attacks (DoS, spoofing, MITM)
- ✓ Device hardening and secure protocols
- ✓ Firewalls, VLANs, and access control lists (ACLs)

SIWES CompTIA Network+ Course Curriculum

Module 5: Network Troubleshooting

- ✓ Troubleshooting methodology (Identify → Resolve → Document)
- ✓ Diagnosing connectivity issues (ping, traceroute, nslookup)
- ✓ Troubleshooting tools and commands (ipconfig, netstat, Wireshark)
- ✓ Wired and wireless network issues

SIWES CompTIA Network+ Course Curriculum

Module 6: Wireless Networking

- ✓ Wireless standards (802.11a/b/g/n/ac/ax)
- ✓ SSID, encryption types (WEP, WPA2, WPA3)
- ✓ Wireless configurations and security settings
- ✓ Interference and signal optimization

SIWES CompTIA Network+ Course Curriculum

Module 7: Cloud Computing and Virtualization

- ✓ Introduction to cloud models (IaaS, SaaS, PaaS)
- ✓ Virtualization concepts
- ✓ Network storage types (NAS, SAN)
- ✓ Cloud network troubleshooting
- ✓ Hands-on configuration using Packet Tracer or GNS3
- ✓ Setting up LAN with VLANs, routing, and security

SIWES Final Capstone Project (End of 3-6 Months)

Students will complete an **industry-level project**:

- ☒ Build and simulate a secure small office network.

SIWES CompTIA Network+ - Certification Obtain

After completion of the program, the student will be awarded with a certificate:

SIWES Diploma in CompTIA Network+

SIWES CompTIA Network+ - Roles After Completion

Graduates of this course can pursue the following roles:

- ✓ **Network Support Technician:** Provides technical support for network systems and infrastructure.
- ✓ **Network Administrator (Junior):** Configures and manages LAN/WAN and connected devices.
- ✓ **IT Support Technician:** Offers hardware and networking support to end users.
- ✓ **Field Network Technician:** Installs and maintains on-site network hardware.
- ✓ **Help Desk Technician (Tier 2):** Resolves more complex network and connectivity issues.
- ✓ **Systems Support Analyst:** Supports infrastructure operations including network configurations.
- ✓ **Infrastructure Technician:** Assists in maintaining routers, switches, and cabling for organizations.

Rolasoft Technologies Services

Rolasoft Technologies – Services Offered

✓ **SOFTWARE DEVELOPMENT COMPANY**

(MOBILE APPLICATION, WEB APPLICATION, DESKTOP APPLICATION, CUSTOMIZED APPLICATION, E-COMMERCE WEBSITE)

✓ **PROFESSIONAL COMPUTER AND IT EDUCATION**

(TOP-UP PROGRAMS, DIPLOMA PROGRAMS, CERTIFICATE PROGRAMS, TECH @ SCHOOL, CORPORATE PROGRAMS, SIWES PROGRAMS, CUSTOMIZED PROGRAMS)

✓ **DIGITAL ADVERTISING AND BUSINESS BRANDING**

(SOCIAL MEDIA MARKETING, EMAIL MARKETING, CONTENT MARKETING, WEBSITE SEO, BRANDED CLOTHING, STICKERS AND TAG, CUSTOM BRANDING, AND MANY MORE)

✓ **INTERNATIONAL UNIVERSITY ADMISSION PROCESSING**

(AMERICA, UK, CANADA, EUROPE, AFRICA, AND MANY MORE)

Contact & Registration

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 **Enroll Today & Start Your SIWES CompTIA Network+ Journey!**

Shape your future with SIWES CompTIA Network+