



STUDENTS INDUSTRIAL WORK EXPERIENCE SCHEME
SIWES



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

**SIWES Diploma in Cisco
Certified Network Associate**

Become a job-ready CCNA 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 ccna.

✓ 2. Hands-On Training

Learn by doing — build real-time projects, full-scale Cisco Certified Network Associate.

✓ 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 Cisco Certified Network Associate 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 Cisco Certified Network Associate – Program Details

Program Overview

The **CCNA course** prepares students for foundational roles in IT networking. It covers networking fundamentals, IP addressing, switching and routing, network access, security basics, and automation. The course is aligned with the Cisco CCNA certification exam (200-301) and blends theory with hands-on lab practice using Cisco Packet Tracer or real equipment.

SIWES Cisco Certified Network Associate- Target Audience & Prerequisites

Target Audience:

- ✓ Students in Computer Science, Information Technology, and Network Engineering programs., especially for SIWES or internships students.

Prerequisites:

- ✓ Basic understanding of computer systems and internet usage. Prior knowledge of networking is helpful but not required.

SIWES Cisco Certified Network Associate Course Curriculum

Module 1: Introduction to Networking

- ✓ Networking concepts and history
- ✓ Types of networks: LAN, WAN, WLAN, MAN
- ✓ OSI and TCP/IP models
- ✓ Devices: routers, switches, hubs, firewalls

SIWES Cisco Certified Network Associate Course Curriculum

Module 2: Network Components and Topologies

- ✓ NICs, cables, media types
- ✓ Star, mesh, bus, and ring topologies
- ✓ MAC addresses and ARP
- ✓ Introduction to Cisco Packet Tracer

SIWES Cisco Certified Network Associate Course Curriculum

Module 3: IP Addressing and Subnetting

- ✓ IPv4 addressing, classes, private vs. public IPs
- ✓ Subnetting and VLSM
- ✓ IPv6 introduction and addressing formats
- ✓ Static and dynamic IP assignments

SIWES Cisco Certified Network Associate Course Curriculum

Module 4: Switching Concepts

- ✓ Basic switch configuration
- ✓ VLANs and trunking
- ✓ Inter-VLAN routing
- ✓ Spanning Tree Protocol (STP)

SIWES Cisco Certified Network Associate Course Curriculum

Module 5: Routing Fundamentals

- ✓ Router configuration and interface setup
- ✓ Routing types: static vs. dynamic
- ✓ RIP, OSPF, EIGRP overview
- ✓ Routing tables and troubleshooting

SIWES Cisco Certified Network Associate Course Curriculum

Module 6: Network Services and Protocols

- ✓ DHCP, DNS, NAT, PAT
- ✓ HTTP/HTTPS, FTP, SSH, Telnet
- ✓ QoS and bandwidth management
- ✓ Port numbers and their use

SIWES Cisco Certified Network Associate Course Curriculum

Module 7: Network Security Essentials

- ✓ Security threats and mitigation
- ✓ Secure device access (passwords, SSH)
- ✓ ACLs (Access Control Lists)
- ✓ Introduction to firewalls and VPNs

SIWES Cisco Certified Network Associate Course Curriculum

Module 8: Automation and Programmability

- ✓ Basics of network automation
- ✓ Introduction to Python for networking
- ✓ Cisco DNA Center and SDN overview
- ✓ CLI vs. APIs in network management

SIWES Cisco Certified Network Associate Course Curriculum

Module 9: Practice Labs and Simulation

- ✓ Packet Tracer hands-on exercises
- ✓ Basic and advanced device configuration
- ✓ Troubleshooting common issues
- ✓ Real-world network setup simulations

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

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

- ✓ Design a small business network, Configure IP addressing, VLANs, routing, and ACLs, Test and troubleshoot connectivity, Present network diagram and configuration.

SIWES Cisco Certified Network Associate - Certification Obtain

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

**SIWES Diploma in Cisco Certified Network Associate
(CCNA)**

SIWES Cisco Certified Network Associate - Roles After Completion

Graduates of this course can pursue the following roles:

- ✓ **Network Technician:** Installs and maintains local and wide area networks.
- ✓ **Network Support Engineer:** Provides support and troubleshooting for network hardware and software.
- ✓ **Network Administrator:** Configures and manages an organization's internal network.
- ✓ **Systems Administrator (Entry):** Handles both networking and server-side administration.
- ✓ **IT Support Specialist:** Offers general tech support including network issues.
- ✓ **Help Desk Analyst:** First-line support for network-related user problems
- ✓ **Cisco Certified Network Associate:** Works in organizations that use Cisco equipment, ensuring proper setup and maintenance.
- ✓ **Junior Network Engineer:** Assists in designing and scaling enterprise networks.

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 Cisco Certified Network Associate Journey!

Shape your future with SIWES Cisco Certified Network Associate