



STUDENTS INDUSTRIAL WORK EXPERIENCE SCHEME
SIWES



ROLASOFT PROFESSIONAL COMPUTER & IT
COURSES VERSION 2.0 LATEST

SIWES Diploma in BlockChain

*Become a job-ready BlockChain 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 blockchain.

✓ 2. Hands-On Training

Learn by doing — build real-time projects, full-scale blockchain.

✓ 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 Blockchain 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 Blockchain – Program Details

Program Overview

The **Blockchain Fundamentals** course introduces learners to the core concepts behind blockchain technology, including how decentralized ledgers work, the mechanics of consensus algorithms, smart contracts, cryptocurrencies, and decentralized applications (dApps). Students will also gain hands-on experience with platforms like Ethereum and tools like Solidity, Remix, and Truffle.

This course lays the groundwork for advanced blockchain development, crypto finance, and Web3 applications.

SIWES Blockchain - Target Audience & Prerequisites

Target Audience:

- ✓ Developers, business professionals, fintech enthusiasts, and tech students, especially for SIWES or internships students.

Prerequisites:

- ✓ Basic understanding of programming and networking is helpful but not mandatory

SIWES Blockchain Course Curriculum

Module 1: Introduction to Blockchain

- ✓ What is blockchain?
- ✓ History and evolution (Bitcoin to Ethereum to Web3)
- ✓ Centralized vs. decentralized systems
- ✓ Key blockchain properties: immutability, transparency, trustlessness

SIWES Blockchain Course Curriculum

Module 2: Blockchain Architecture

- ✓ Blocks, transactions, hashes, and chains
- ✓ Distributed ledger technology (DLT)
- ✓ Nodes and network types: public, private, and consortium blockchains
- ✓ Blockchain vs. traditional databases

SIWES Blockchain Course Curriculum

Module 3: Cryptography and Security

- ✓ Hash functions (SHA-256, Keccak)
- ✓ Digital signatures and public key infrastructure
- ✓ Encryption and private keys
- ✓ Blockchain security principles

SIWES Blockchain Course Curriculum

Module 4: Consensus Mechanisms

- ✓ Proof of Work (PoW)
- ✓ Proof of Stake (PoS)
- ✓ Delegated Proof of Stake (DPoS), BFT, and others
- ✓ How consensus ensures trust and prevents double-spending

SIWES Blockchain Course Curriculum

Module 5: Smart Contracts and Ethereum

- ✓ What are smart contracts?
- ✓ Ethereum blockchain and the EVM
- ✓ Solidity programming basics
- ✓ Building and deploying smart contracts using Remix IDE

SIWES Blockchain Course Curriculum

Module 6: Blockchain Development Tools

- ✓ Overview of Truffle, Ganache, and Hardhat
- ✓ MetaMask wallet integration
- ✓ Connecting dApps to the blockchain
- ✓ Testing and debugging smart contracts

SIWES Blockchain Course Curriculum

Module 7: Cryptocurrencies and Tokens

- ✓ How cryptocurrencies work (Bitcoin, Ethereum)
- ✓ Token standards (ERC-20, ERC-721, ERC-1155)
- ✓ Token creation and management
- ✓ ICOs, IDOs, and tokenomics basics

SIWES Blockchain Course Curriculum

Module 8: Decentralized Applications (dApps)

- ✓ Architecture of a dApp
- ✓ Front-end with Web3.js or Ethers.js
- ✓ Interacting with smart contracts from the browser
- ✓ Real-world dApp examples

SIWES Blockchain Course Curriculum

Module 9: Blockchain Use Cases

- ✓ Supply chain transparency
- ✓ Digital identity
- ✓ Financial services and DeFi
- ✓ NFTs and gaming
- ✓ Governance and DAOs

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

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

- ✓ Plan and build a small dApp or smart contract project, Deploy on a testnet (Rinkeby, Sepolia, etc.), Present functionality, use case, and code.

SIWES Blockchain - Certification Obtain

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

SIWES Diploma in Blockchain

SIWES Blockchain - Roles After Completion

Graduates of this course can pursue the following roles:

- ✓ **Blockchain Developer:** Develop smart contracts, dApps, and integrate blockchain systems
- ✓ **Smart Contract Engineer:** Write and audit Solidity code and deploy contracts on Ethereum or other platforms
- ✓ **Blockchain Analyst:** Evaluate use cases, token economics, and blockchain system design
- ✓ **Web3 Front-End Developer:** Build interfaces that interact with smart contracts and decentralized apps
- ✓ **DeFi Application Developer:** Create decentralized finance platforms (lending, staking, DEX)
- ✓ **Blockchain Consultant:** Advise businesses on implementing blockchain in real-world use cases
- ✓ **Crypto Product Manager:** Manage the development and release of blockchain-based products or services

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 Blockchain Journey!**

Shape your future with SIWES Blockchain