Training Course on Blockchain Technology in Educational Credentialing

Professional Development Training Course Outline

Category	Educational Leadership and Management	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

The rapid evolution of blockchain technology is redefining how we validate, secure, and share educational achievements across global learning ecosystems. As the demand for secure, transparent, and tamper-proof digital credentialing systems grows, educational institutions and employers are turning to blockchain as a transformative solution. This course offers a robust, industry-aligned guide into integrating blockchain in educational credentialing to foster trust, accessibility, and interoperability. Training Course on Blockchain Technology in Educational Credentialing equips learners with the tools to design, deploy, and manage blockchain-based systems tailored for academic certification, micro-credentials, badges, and transcripts.

This course blends cutting-edge technology, data security standards, and regulatory compliance, empowering stakeholders in education to future-proof their credentialing frameworks. With real-world case studies and hands-on applications, participants will explore how blockchain can reduce fraud, enhance learner mobility, and streamline recognition of qualifications. Emphasizing innovation and global scalability, this course prepares leaders to implement blockchain in alignment with emerging Web3 trends, decentralized identity verification, and digital trust networks.

Programme Curriculum

Training Course on Blockchain Technology in Educational Credentialing

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Course Objectives

1. Understand the fundamentals of blockchain technology in education
2. Explore smart contracts and their use in automating credential issuance
3. Identify the benefits of decentralized digital credentials
4. Assess challenges in blockchain integration in academia
5. Implement blockchain-based student records management
6. Navigate compliance with data protection regulations (GDPR/FERPA)
7. Examine blockchain interoperability standards
8. Evaluate case studies of blockchain credentialing platforms
9. Design a prototype for secure transcript verification
10. Analyze the role of NFTs and micro-credentials in education
11. Forecast future trends in blockchain for education
12. Explore partnerships between EdTech startups and institutions
13. Apply data immutability principles to reduce credential fraud

Target Audiences

1. University administrators and registrars
2. Education policy-makers and ministry officials
3. Academic IT professionals
4. Instructional designers and eLearning developers
5. Certification bodies and professional associations
6. Blockchain developers interested in EdTech
7. EdTech startups and solution providers
8. Career services and HR credential evaluators

Course Duration: 5 days

Course Modules

Module 1: Introduction to Blockchain in Education

- Overview of blockchain technology
- The evolution of digital credentials
- Blockchain vs. traditional credentialing systems
- Key terms: nodes, hashes, consensus mechanisms
- Types of blockchain (public, private, hybrid)
- **Case Study:** MIT’s Digital Diploma Initiative

Module 2: Digital Identity and Decentralized Verification

- Concepts of decentralized identifiers (DIDs)
- Self-sovereign identity (SSI) frameworks
- Verifiable credentials architecture
- Privacy and security in identity management

- Identity verification in cross-border education
- **Case Study:** EU's EBSI project for student ID

Module 3: Smart Contracts for Credential Automation

- What are smart contracts?
- How smart contracts automate issuing
- Legal implications of smart agreements
- Customizing credentialing workflows
- Integration with LMS platforms
- **Case Study:** Sony Global Education blockchain smart contracts

Module 4: Data Protection, Compliance & Governance

- Blockchain and GDPR/FERPA compliance
- Data ownership and user consent
- Governance models for blockchain education platforms
- Risk assessment and cybersecurity
- Ethical considerations
- **Case Study:** University of Nicosia's compliance model

Module 5: Interoperability and Standardization

- Credentialing data standards (Open Badges, W3C, etc.)
- APIs and interoperability protocols
- Blockchain consortiums in education
- Credential portability across platforms
- Cross-institutional blockchain collaboration
- **Case Study:** Blockcerts global standard initiative

Module 6: System Design and Implementation

- Planning and stakeholder alignment
- Blockchain architecture design for education
- Infrastructure and technical requirements
- Budgeting and scalability
- Monitoring and continuous improvement
- **Case Study:** Malaysia’s Ministry of Education blockchain pilot

Module 7: Future of Education and Web3 Integration

- Web3 and decentralized learning ecosystems
- NFTs as digital diplomas and badges
- Blockchain in micro-credentialing and stackable learning
- Gamification and token-based rewards
- Use of AI + blockchain for personalized learning
- **Case Study:** Woolf University’s Web3-powered credentialing

Module 8: Capstone Project and Use-Case Simulation

- Group formation and role assignments
- Develop a blockchain-based credentialing system
- Pitch and feedback from peers/facilitators
- Address real-world stakeholder requirements
- Integrate modules and apply knowledge
- **Case Study:** Team project based on UNESCO Blockchain Challenge

Training Methodology

- Interactive lectures with multimedia presentations
- Hands-on demonstrations using blockchain simulation tools
- Case study analysis with group discussions
- Scenario-based learning and decision-making exercises
- Capstone project development and peer review
- Live Q&A sessions with blockchain experts

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

Ready to enroll or request a customized program? Book online or contact us:

Register Online Now

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