

Certified Cryptocurrency Auditor® Interactive Live Training

OEM: Blockchain Council • Code: ILT-CCXA

COURSE DESCRIPTION

Advance your expertise with the Certified Cryptocurrency Auditor® Interactive Live Training (ILT) program, a specialised Cryptocurrency Auditor Live Course designed for professionals who want hands-on experience in crypto auditing and blockchain forensics. This instructor-led Crypto Audit Certification Live program provides in-depth knowledge of cryptocurrency systems, blockchain architecture, fraud detection, and digital asset tracking. Through real-time sessions and practical case studies, you will learn how to identify vulnerabilities, investigate suspicious transactions, and analyse exchange-of-hands across blockchain networks. The Blockchain Forensics Live Training also covers common cryptocurrency scams, security risks, and compliance considerations essential for modern crypto auditing. Ideal for compliance professionals, security experts, and aspiring crypto auditors, this Certified Cryptocurrency Auditor ILT validates your skills and prepares you to secure blockchain-based ecosystems with confidence.

AUDIENCE PROFILE

- Working Professionals — Who prefer structured, instructor-led learning with real-time Q&A.
- Career Changers — Looking for guided, hands-on training with expert mentorship.
- Team Leads & Managers — Who need deep understanding to lead technology initiatives.
- Entrepreneurs & Founders — Planning to build products or services and want expert guidance.
- Students & Fresh Graduates — Seeking a competitive edge with a globally recognized certification.
- Consultants & Advisors — Who need to quickly build expertise with structured training.

PREREQUISITES

- Basic understanding of technology concepts
- A computer with stable internet connection for live sessions
- Webcam and microphone recommended for interactive participation
- No prior specialized experience necessary — the program starts from foundations

COURSE OBJECTIVES

By the end of this course, participants will be able to:

- Digital-Currency Foundations
- Blockchain Core
- Understanding the Crypto Ecosystem

- Risk Landscape in Cryptocurrency
- Crypto Forensics & Investigations
- Auditing a Project
- Financial Auditing of Crypto Assets
- Internal Controls and Risk Management
- Auditing DeFi and NFTs
- Case Studies & Practical Simulations

COURSE OUTLINE

Module 1: Digital-Currency Foundations

- Understanding Digital Currency
- The History of Cryptocurrency and Early Digital Currencies
- Why Cryptocurrencies Matter
- Why do we need to audit Crypto Projects?

Module 2: Blockchain Core

- What is Blockchain?
- Types of Blockchain
- What is Blockchain Mining?
- Fundamentals of Consensus Mechanisms
- Advantages and Limitations of Blockchain Technology
- The Blockchain Trilemma
- Cryptography and Blockchain Algorithms
- Layer 2 Introduction
- ZK Rollups
- Optimistic Rollups
- State Channels
- Lightning Network
- Cross-Chain Bridges

Module 3: Understanding the Crypto Ecosystem

- Bitcoin's Origin and Satoshi Nakamoto
- Ethereum and Smart Contracts
- Major Altcoins
- Utility Tokens vs. Security Tokens
- Types of Wallets (Hardware, Software, Paper)
- Creating and Managing Wallets
- Setting up a crypto wallet
- Centralized vs. Decentralized Exchanges

Module 4: Risk Landscape in Cryptocurrency

- Common Risks in Crypto Transactions
- Smart Contract Vulnerabilities
- Smart Contract Vulnerabilities (Examples)
- Exchange Hacks and Custody Risks
- Exchange Hacks and Custody Risks (Examples)
- Money Laundering & Terrorist Financing
- Money Laundering & Terrorist Financing (Examples)

Module 5: Crypto Forensics & Investigations

- Blockchain Explorers
- On-Chain Analysis
- Address Attribution and Wallet Identification
- Tracing Illicit Funds
- Bitcoin trail
- Chain Hopping and Mixing Services
- Introduction to Forensics Tools (e.g., Chainalysis, TRM Labs, Elliptic)
- The Dark Web

Module 6: Auditing a Project

- Tokenomics: Supply, Distribution, and Utility
- Decentralized Vs Centralized Project Audits
- The ICO and IEO Boom (History, Lessons, Risks)
- VAPT
- Audit Methodologies

Module 7: Financial Auditing of Crypto Assets

- Auditing Crypto Asset Holdings
- Proof of Reserves and Liabilities
- Wallet Verification Procedures
- Valuation Methods for Digital Assets

Module 8: Internal Controls and Risk Management

- Internal Control Framework for Crypto Businesses
- Segregation of Duties and Access Controls
- Incident Response & Recovery Planning
- Risk Assessment Methodologies

Module 9: Auditing DeFi and NFTs

- Risks and Controls in DeFi Platforms

- Smart Contract Governance and Protocol Audits
- NFT Market Dynamics and Valuation Challenges
- NFT Ownership Verification and Royalty Tracking

Module 10: Case Studies & Practical Simulations

- Real-World Exchange Failures and Lessons Learned
- Case study -AAVE
- The DAO hack
- Forensics of a Ransomware Attack Using Crypto
- Red Flags and Fraud Indicators in Crypto