Blockchain Fintech Certification
Version 3

EXAM BLUEPRINT

EC-Council
Official Curricula

EC-Council BFC Blockchain Fintech Certification

Blockchain Fintech Certification (BFC) v3

Exam Blueprint

Domain	Sub Domain	Description	Number of Questions	Weightage (%)
1. Blockchain Foundations and Core Mechanisms	Foundations of Blockchain and Its Impact on FinTech	▪ Understand Fundamental Concepts and Working Principles of Blockchain Technology ▪ Explore the Blockchain Ecosystem and Use Cases ▪ Understand Blockchain Applications in Financial Services	7	20%
	Consensus Mechanisms for Blockchain-Based Financial Systems	▪ Explore Blockchain Consensus Mechanisms ▪ Understand Types of Consensus Mechanisms ▪ Understand Consensus Models in Financial Systems ▪ Understand Finality in Blockchain Consensus ▪ Learn How to Choose the Right Consensus ▪ Blockchain Consensus Mechanism Challenges ▪ Enhancing Blockchain Consensus with Artificial Intelligence	8	
2. Smart Contracts, DeFi, and Tokenization	Smart Contracts in Blockchain-Enabled Financial Ecosystems	▪ Understand Smart Contracts for Finance ▪ Exploring Smart Contract Applications Across Fintech	6	

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		▪ Understanding Smart Contract Risks		
	Decentralized Finance (DeFi) in Financial Services	▪ Understand the role of DLT as the Foundation for Decentralized Finance (DeFi) ▪ Compare and contrast TradFi, CeFi, and DeFi ▪ Understand the Structure of the DeFi Ecosystem ▪ Understand DeFi Core Protocols and Liquidity Mechanisms ▪ Integrating DeFi with Fintech Platforms ▪ Understand DeFi Use Case and Impact ▪ Understand Challenges, Risks, and Regulatory Landscape in DeFi	5	20%
	Asset Tokenization in Blockchain Finance	▪ Understand Tokenization ▪ Explore Asset Tokenization ▪ Understand Tokenization Platforms and Protocols ▪ Explore Asset Tokenization Use Cases and Case Studies ▪ Understand Business and Operational Considerations ▪ Understand Future Trends in Asset Tokenization	4	
3. Digital Currencies and Cryptocurrencies	Digital Currencies and Their Role in the Fintech Ecosystem	▪ Understand the Evolution of Digital Currency ▪ Understand the Role of Digital Currency in Modern Finance ▪ Understanding Cryptocurrency ▪ Understand Cryptomining ▪ Explain the Functions, and Types of Cryptocurrency Wallets and Their Use Case ▪ Describe the Different Types of Stablecoins and Their Use Cases in Finance ▪ Describe the Key Features of DAI as a Stablecoin	7	

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		▪ Understanding Central Bank Digital Currencies (CBDCs) ▪ Understanding e-CNY		20%
	Bitcoin and other Cryptocurrencies	▪ Understand Key Concepts of Bitcoin ▪ Explain Bitcoin Blockchain Architecture ▪ Describe the Bitcoin Ecosystem and its Use Cases ▪ Analyze Bitcoin Network and its Transactions ▪ Understand Bitcoin Mining, Forking, and Scalability Solutions ▪ Understand Bitcoin Use Cases in Fintech ▪ Understand Bitcoin in Financial Markets ▪ Describe Ethereum's Purpose, Ecosystem, and Evolution ▪ Explain the Role and Function of the Ethereum Virtual Machine ▪ Understand Ethereum's Transactions, Validation, and Upgrades ▪ Identify Key Ethereum Standards and Proposal Processes ▪ Ethereum and Its Role in the Financial Market	8	
4. Blockchain Integration, Governance, and Security	Blockchain Integration in Financial Services Infrastructure	▪ Understand Interoperability in Blockchain Systems ▪ Understand Blockchain Systems Interoperability Challenges ▪ Technical and Operational Integration Models in Financial Blockchain Systems ▪ Explore Interoperable Blockchain Applications in Modern Financial Infrastructure ▪ Understand Interoperability in BaaS Platforms	5	

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	Blockchain Governance, Compliance, and Risk Management	▪ Explore Governance Mechanism in Blockchain Finance ▪ Understand Compliance, Regulatory Standard and Legal Challenges in Blockchain Finance ▪ Identify and Mitigate Blockchain Attacks ▪ Explore Security practices in Blockchain Finance ▪ Understand How to Secure Blockchain Transactions and Data with Cryptographic Techniques ▪ Understand Risk Management in Blockchain Finance	5	20%
	Financial Modeling and Strategic Blockchain Implementation	▪ Introduction to Financial Models ▪ Understand Financial Blockchain Business Models ▪ Total Cost of Ownership (TCO) and Cost-Benefit Analysis ▪ ROI Calculation for Blockchain Use Cases ▪ Blockchain Adoption and Maturity Model ▪ Evaluating the Strategic Fit of Blockchain in FinTech ▪ Key Metrics for Evaluating Blockchain Projects ▪ Strategic Implementation and Roadmap of Financial Modelling ▪ Evaluate Enterprise Risk Management in Blockchain Financial Strategy ▪ Case Study: Implementing Blockchain for Cross-Border Remittance	5	
5. Enterprise Blockchain and Future Innovations	R3 Corda for Blockchain-Driven Financial Applications	▪ Understand the Business Case for Using R3 Corda in Financial Services ▪ Identify Real-World Fintech Use Cases Powered by Corda	5	

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		▪ Explain Corda's Data Model, Privacy Principles, and Compliance Features ▪ Understand the Architectural Foundations of a Corda-Based Financial Network ▪ Assess Identity Management, Governance, and Regulatory Alignment in Corda Networks ▪ Explore Corda's Integration with Fintech Systems and Emerging Technologies ▪ Analyze Interoperability, Ecosystem Growth, and Corda's Strategic Future		
	Hyperledger Framework and Its Applications in Finance	▪ Understand Hyperledger Fabric ▪ Explore the Role of Hyperledger Fabric in Financial Enterprises ▪ Understand Real-World Hyperledger Fabric Examples ▪ Understand Enterprise Use Cases and Implementation ▪ Explore Hyperledger Security Practices and AI Integration ▪ Analyze Future Trends in Hyperledger Fabric	5	20%
	Advanced Blockchain Concepts and Future Innovations in FinTech	▪ Evaluate Blockchain Innovations ▪ Understand Future Innovations in Autonomous and Intelligent Finance ▪ Explore Next-Gen Interoperability and Scalability for Borderless Financial Systems ▪ Understand Emerging Innovations in Tokenization and Digital Asset Models ▪ Evaluate Sustainable Blockchain Innovations for ESG-Driven Finance ▪ Understand Advanced Innovations in Blockchain Security and Privacy	5	

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