

### EXIN Blockchain Foundation (BLOCKCHAINF)

OEM: EXIN • Duration: 2 Days (16 hrs) • Code: BLOCKCHAINF

#### COURSE MODULES & TOPICS

##### 1 Blockchain Basics (37.5%)

- Blockchain Technology (15%): how a blockchain works; node definitions; token functionality; public, private, and hybrid blockchains
- Additional Blockchain Elements (12.5%): cryptography; private and public keys; hash functions; ledger roles; mining
- Structure of a Blockchain Network (10%): consensus algorithm types; advantages and disadvantages of consensus mechanisms

##### 2 Blockchain Challenges (17.5%)

- Challenges for a Blockchain (10%): blockchain vulnerabilities; risks from community fractures; fraud and scam risks
- Blockchain Risk Mitigation (7.5%): how blockchain elements reduce risks; the public witness function

##### 3 Applications of a Blockchain (32.5%)

- Blockchain Use Case (2.5%): scenarios where blockchain proves beneficial
- Blockchain Technology Supporting Businesses (7.5%): cryptocurrency applications; blockchain network differentiation
- Blockchain Technology Supporting People (10%): smart contracts; Decentralized Applications (DApps); DAOs
- Expanding Blockchain Applications (7.5%): identity applications; IoT and AI integration; decentralized marketplaces
- Blockchain and the World Economy (5%): supply chain applications; cross-border money transfer

##### 4 Blockchain Innovations (12.5%)

- Digital fiat currency and banking disruption
- Insurance transformation potential
- Intellectual property protection and provenance
- Government applications
- Email and internet trust layer implementations