BLACKBIRD FOR TRAINING

Certified Blockchain Professional (CBP)

10 – 14 October 2027
Cairo (Egypt)

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PARTNER



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Introduction

In today's rapidly evolving digital landscape, blockchain technology has emerged as a fundamental pillar across various sectors. From financial services and government operations to supply chain management and healthcare, blockchain is transforming how organizations store data, manage transactions, and build trust.

The Professional Certification in Blockchain Network Technology, leading to the Certified Blockchain Professional CBP credential, is designed to meet the growing demand for skilled professionals in the Middle East and North Africa MENA region. Whether you're a senior executive, team leader, mid-level manager, or an emerging professional, this program equips you with the technical knowledge and strategic perspective needed to lead and implement blockchain-driven transformation in your organization.

Tailored for professionals in industries such as oil & gas, banking, telecom, government, project management, HR, marketing, and more—this course is your gateway to mastering blockchain in a practical, structured, and strategic way.

Course Objectives

- Understand the core concepts and architecture of blockchain networks.
- Explore the components of blockchain infrastructure and distributed systems.
- Analyze blockchain applications across industries including finance, healthcare, and public services.
- Evaluate the legal, regulatory, and security challenges of blockchain implementation.
- Use tools for developing smart contracts and decentralized applications dApps.
- Design practical blockchain-based solutions to real-world business problems.
- Prepare thoroughly to pass the Certified Blockchain Professional CBP exam.
- Build future-ready digital skills to support organizational innovation and performance.

Course Outlines

Day 1: Foundations of Blockchain Technology

- Introduction to blockchain: origins, evolution, and relevance.
- Key differences between blockchain and cryptocurrencies.
- Core characteristics: decentralization, transparency, immutability.
- Consensus mechanisms: Proof of Work PoW, Proof of Stake PoS.
- Public vs. private blockchain networks.
- Practical activity: analyzing a real blockchain protocol.



Day 2: Blockchain Architecture and Industry Use Cases

- Blockchain technology stack: protocols, smart contracts, dApps.
- Use of blockchain in financial services: payments, decentralized finance.
- Government applications: digital identity, land registry, secure data sharing.
- Case studies from MENA region implementations.
- Key development tools: Ethereum, Hyperledger, Corda.
- Workshop: design a prototype blockchain solution.

Day 3: Security, Compliance, and Legal Considerations

- Security risks in blockchain systems: attacks, vulnerabilities.
- Cryptographic principles and data integrity.
- Regulatory landscape in MENA: data laws, compliance issues.
- Blockchain ethics and user privacy concerns.
- Legal frameworks governing smart contracts.
- Exercise: analyze a regulatory blockchain scenario.

Day 4: Smart Contracts and Decentralized Apps dApps

- Understanding smart contracts: how they work and why they matter.
- Smart contract development using Solidity.
- Architecture and components of decentralized applications.
- Front-end integration with blockchain backends.
- Testing environments and deployment strategies.
- Hands-on exercise: develop and deploy a basic smart contract.

Day 5: Strategic Insights and CBP Exam Preparation

- Full-course review and recap of all modules.
- Mock exam questions with guided analysis and discussion.
- Individual readiness assessment for the CBP certification.
- Final project presentation and peer feedback.
- Roundtable discussion: future of blockchain in regional markets.
- Instructor evaluation and course completion feedback.



Why Attend this Course: Wins & Losses!

- Earn an internationally recognized certification CBP.
- Develop real-world blockchain skills applicable across industries.
- Course tailored to business needs and regulatory context in the MENA region.
- Full preparation for passing the CBP exam with confidence.
- Gain strategic and technical insights from blockchain experts.
- Build blockchain-based solutions that solve organizational challenges.
- Increase your value as a leader in digital transformation.
- Advance your career or transition into high-demand blockchain roles.

Conclusion

The Professional Certification in Blockchain Network Technology is more than a course—it's a strategic investment in your future. Whether you're looking to modernize your organization, lead digital innovation, or upskill for the next phase of your career, this training equips you with the tools to succeed.

From hands-on projects to real-world case studies and exam preparation, every component of this program is designed to help you confidently adopt, implement, and lead with blockchain in your sector.

