

## INSTRUCTOR LED WEBINAR & ON-DEMAND - SYLLABUS

### Certified Blockchain Project Manager – Finance

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| <b>Duration:</b>                          | 80 Hours   |
| <b>Delivery:</b>                          | Instructor Led Webinar – 50 Hours<br>Online On-Demand / Self-Pace Mentor Supported – 30 Hours  |
| <b>Instructors:</b>                       | <a href="#">Bryant Nielson</a> ; <a href="#">Adi Ben-Ari</a> ; <a href="#">Vic Arulchandran</a>  |
| <b>Office Hours:</b>                      | 10:00 AM to 6:00 PM Eastern Standard Time  |
| <b>Email:</b>                             | studentsupport@blockchainhub360.com  |
| <b>Prerequisites:</b>                     | No prior blockchain or computer programming experience required. Aspects of the course, particularly blockchain architecture, are technical in nature requiring students to have some aptitude in grasping technical concepts. Recommended: Students should have a professional background in or are currently a student of Business, Finance and/or Project Management. |
| <b>Continuing Education Units (CEUs):</b> | 8  |
| <b>Certification Exam:</b>                | Certified Blockchain Project Manager   |
| <b>Certification Body:</b>                | Blockchain Certification Association   |

#### **Certificate Program Overview:**

The Certified Blockchain Project Manager Certificate Program is delivered in a blended format of live Instructor-led-webinars and OnDemand videos, comprising seven courses, various course related projects, course assessments, and a Final Certificate Program Exam. This program provides students with no prior blockchain industry or coding experience with the knowledge and confidence required to be a Certified Blockchain Project Manager.

Both non-techies and technical experts will be equipped with the strategy, roadmap, and the solution architecture blockchain employers are seeking to fill roles in operations, business, product, sales, marketing, and management. Learners begin with grasping blockchain fundamentals and cryptocurrencies, before moving into before progressing into business strategy, blockchain solution architecture, and the Financial Sector Elective.

### Course Composition:

|                         |                                     |                |
|-------------------------|-------------------------------------|----------------|
| Online On-Demand:       | Blockchain Foundations              | Modules 1 - 15 |
| Online On-Demand:       | Blockchain & Bitcoin Intensive      | Modules 1 - 7  |
| Online On-Demand:       | Blockchain Development Decision     | Modules 1 – 8  |
| Instructor-Led Webinar: | Enterprise Blockchain Strategy      | Modules 1 – 14 |
| Instructor-Led Webinar: | Blockchain Architecture             | Modules 1 – 15 |
| Online On-Demand:       | Blockchain for the Financial Sector | Modules 1 - 6  |
| Online On-Demand:       | Crypto Trading Course               | Modules 1 - 4  |

### Learning Outcomes

- Upon completion of this course, students will be able to:
- Proficient knowledge in fundamentals of blockchain
- Ability to utilize, interpret and create smart contracts, consensus protocols, and public vs private chains
- Extensive understanding of the decisions and participants in a successful blockchain implementation
- Understanding of the comparison of various blockchain platforms – Open Source and Commercial
- Proficiency in hosting and mining options
- Knowledge of associated technologies
- Competent understanding of the primary programming languages (no coding experience required)
- Insight into the security power of blockchain
- Comprehension of the blockchain architecture utilized for building a private or hybrid blockchain
- In depth analysis into various blockchain use cases in different sectors and industries
- Evaluation and development of strategic planning models to make use of blockchain for your industry needs

### Demonstration of Learning Outcomes:

At the conclusion of the Certified Blockchain Project Manager Certificate Program technical and non-technical professionals will be able to make decisions together to effectively design, build and maintain a business or organizational blockchain application that best suits the needs of all stakeholders utilizing the blockchain. The completion of this program prepares students to sit for the **Certified Blockchain Project Manager** exam through the **Blockchain Certification Association (BCA)**.

### Evaluation

Evaluation is based on participation and a final exam.

Weighted:

50% participation

50% on the final grade

80% overall grade is required in order to receive a Certificate of Completion.

**Grading Policy**

Pass or Fail. No Credit (NC).

**Attendance Requirements:**

Students are expected to complete all online self-paced modules and assessments and attend at least 85% of Instructor Led Webinar Presentations. Should a student miss any portion of the live instruction instructor led webinars are recorded and attached to the learning management. A Certificate of Completion will not be issued if attendance requirements are not met.

**Student conduct and etiquette:**

Students will be expected to be courteous in their conduct and communications to the instructor and classmates at all times whether such conduct or communication is in person, by telephone or electronic communications.

Behavior that persistently or grossly interferes with instructor or other student activities is considered disruptive behavior and may be subject to disciplinary action. Such behavior inhibits other students' ability to learn and an instructor's ability to teach. The instructor may require a student responsible for disruptive behavior to leave the learning environment pending discussion and resolution of the problem and may report a disruptive student to the Student Affairs Office.

Note: Disruptions, or any other distraction in the learning environment may result in a failing grade.

**Course Evaluations**

Course evaluations and program surveys are important components of the educational process. Students are encouraged to complete the student course evaluation form that will be distributed at the conclusion of the Certificate Program. The evaluation is anonymous.

**Computer/Information Literacy Expectations for Students enrolled in this class**

Students in this class are expected to:

- 1) Use a word processing program for writing assignments (e.g., Microsoft Word)
- 2) Be able to access assigned websites through the internet
- 3) Have access to PC or mobile device for participation in course content

**CERTIFICATE PROGRAM COURSE MODULE OVERVIEW:****BLOCKCHAIN FOUNDATIONS – 15 MODULES**

**Module 1: Blockchain Basics 1**

**Module 2: Blockchain Basics**

**Module 3: Cryptography**

**Module 4: Blockchains Security**

**Module 5: Accessing Utilities KU and TX and Wallets**

**Module 6: Blockchain Smart Contracts**  
**Module 7: Blockchain Pros & Cons**  
**Module 8: Current State of Blockchain**  
**Module 9: Review of Public Blockchain apps**  
**Module 10: Governments & Regulation**  
**Module 11: Use case deep dive**  
**Module 12: DAO**  
**Module 13: Regulatory Reporting**  
**Module 14: Breakout Session**  
**Module 15: The Future of Blockchain**

BLOCKCHAIN & BITCOIN INTENSIVE – 7 MODULES

**Module 1: Bitcoin Concepts**  
**Module 2: Technical Bitcoin Limitations**  
**Module 3: Bitcoin Limitations**  
**Module 4: From Blockchain V1 to Blockchain V2**  
**Module 5: Blockchain as the New Database**  
**Module 6: Blockchain V2 Use Cases**  
**Module 7: Preparing your firm for Blockchain**

BLOCKCHAIN DEVELOPMENT DECISION– 8 MODULES

**Module 1: Blockchain Development Essentials**  
**Module 2: Blockchain Platforms**  
**Module 3: Hosting/Mining Decisions**  
**Module 4: Associated Technologies**  
**Module 5: Development Languages**  
**Module 6: Security and Implementation Goals**  
**Module 7: Risk Management**  
**Module 8: Digital Transformation Traps & Summary**

ENTERPRISE BLOCKCHAIN STRATEGY - 14 MODULES

**Module 1: Basics of Blockchain Part 1**  
**Module 2: Basics of Blockchain Part 2**  
**Module 3: Understanding Smart Contracts**  
**Module 4: Blockchain Security / Risk**  
**Module 5: Understanding ICO's and Cryptocurrencies**  
**Module 6: DAO**  
**Module 7: Use case examples of how blockchains are being used today**  
**Module 8: Blockchain Use case Solution Workshop**  
**Module 9: Blockchain Pros and Cons**  
**Module 10: Barriers to Adoption**  
**Module 11: How to prepare you firm for blockchain**  
**Module 12: Regulatory Impact on Blockchain**  
**Module 13: What does Blockchain Future Look Like?**  
**Module 14: Leading in a Technological Disruptive Market**

## BLOCKCHAIN ARCHITECTURE - 15 MODULES

**Module 1: Blockchain Decision Overview**

**Module 2: Blockchain Platforms**

**Module 3: Hosting Decisions**

**Module 4: Associated Technologies**

**Module 5: Development Languages**

**Module 6: Security and Implementation Goals**

**Module 7: Risk Management**

**Module 8: Blockchain Architecture Overview**

**Module 9: Business and Technical Components of Blockchain Architecture**

**Section 9.1 Business Components or Considerations of a Blockchain**

**Section 9.2 Technical Components of a Blockchain**

**Module 10: Blockchain Architectural Options**

**Module 11: The Two Vital and Inseparable Parts of Blockchain**

**Module 12: High-level Description of a PoC Private (permissioned) Blockchain**

**Module 13: Identity, Privacy and Security**

**Module 14: Blockchain Structure and Distributed Peer-to-Peer Network**

**Module 15: Cryptography and Blockchain Algorithms**

## BLOCKCHAIN FOR THE FINANCIAL SERVICES SECTOR – 6 MODULES

**Module 1: Introduction to Blockchain**

**Module 2: How Does Blockchain Work?**

**Module 3: Opportunities in Financial Services**

**Module 4: Exchanges & Central Banks**

**Module 5: Blockchain Regulation**

**Module 6: Preparing Your Firm for Blockchain**

## THE CRYPTO TRADING COURSE – 4 MODULES

**Module 1: Introduction to Cryptocurrencies**

**Module 2: Uses for Cryptocurrencies**

**Module 3: Crypto Trading Strategies**

**Module 4: Are We in a Crypto Bubble?**