

## INSTRUCTOR LED WEBINAR & ON-DEMAND - SYLLABUS

### Certified Blockchain Business Professional – Supply Chain

<b>Duration:</b>	75 Hours
<b>Delivery:</b>	Instructor Led Webinar – 50 Hours Online On-Demand / Self-Pace Mentor Supported – 30 Hours
<b>Instructors:</b>	<a href="#">Bryant Nielson</a>
<b>Office Hours:</b>	10:00 AM to 6:00 PM Eastern Standard Time
<b>Email:</b>	studentsupport@blockchainhub360.com
<b>Prerequisites:</b>	Recommended: Prior business experience, or logistics, supply chain industry experience, or existing students in these fields are well suited for this course.
<b>Continuing Education Units (CEUs):</b>	7.5
<b>Certification Exam:</b>	Certified Blockchain Business Professional
<b>Certification Body:</b>	Blockchain Certification Association

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

The Certified Blockchain Business Professional program is comprised of 75 hours of blended OnDemand titles and Live Instructor Led Webinars designed for current and aspiring business leaders and managers who seek to understand, develop and implement blockchain technology to gain a competitive advantage, improve business efficiency, strengthen security, and to create new lines of business. Blockchain technology's massive impact across all business sectors will provide an incalculable number of new opportunities, all at a fast hyper-competitive pace. Business minded individuals taking this course will understand the basis of this technology, and will learn how to work with developers to build an enterprise grade solution for existing businesses, governments, organizations or a startup. In addition to the core blockchain business professional programming students benefit from the Blockchain for Supply Chain 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
Online On-Demand:	Blockchain for the Supply Chain	Modules 1 - 8

### **Learning Outcomes**

- Understand the fundamentals of blockchain, smart contracts, and consensus protocols.
- Recognize the difference between public vs private chains, and evaluate which type is best suited for enterprise aims
- Recall and compare various blockchain use cases in different sectors
- Construct a strategy to make use of blockchain.
- Establish industry specific domain expertise in Finance, Law, Accounting, Regulation, Healthcare, Insurance or Supply Chain.

### **Demonstration of Learning Outcomes:**

At the conclusion of the Certified Blockchain Business Professional 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 strategy that best suits the needs of all stakeholders utilizing the blockchain. The completion of this program prepares students to sit for the **Certified Blockchain Business Professional** 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 AND THE Supply Chain SECTOR – 8 MODULES**

**Module 1: Basics of Blockchain, Review**

**Module 2: Understanding Smart Contracts**

**Module 3: Pain points for the Supply Chain**

**Module 4: How can Blockchain Help Supply Chains**

**Module 5: Use case examples of how blockchains are being used in supply chains today**

**Module 6: Compliance and Regulatory Environment**

**Module 7: Barriers to Adoption**

**Module 8: How to prepare you firm for blockchain**

**FINAL EXAM**