

K-12 Blockchain Technology Program
“A look into the future”

This 15-hour, 3-course progressively elaborate online program provides effective opportunities to understand and apply all aspects of blockchain. It provides learners with the methods, skills, tools, and techniques required to have a far-reaching understanding of blockchain.

At the end of the program a learner should leave with the knowledge, vocabulary and understanding of the emerging technology called blockchain.

Graduates of the K-12 Blockchain Technology Program are issued a Certificate of Accomplishment from Foundation Technologies Institute.

Objectives

- To clarify the concepts of blockchain while sparking the learners interest in blockchain
- To provide graduates with a solid foundation of knowledge, techniques and tools that cover every aspect of blockchain technology
- To enable graduates to gain and retain a competitive advantage in the blockchain space

Why Blockchain?

- The impact of blockchain technology is being felt across a wide range of industries including banking, healthcare, entertainment and supply chain management.
- Blockchains are fast becoming the backbone for the new digital economy.
- It is a disruptive technology that is rapidly generating new opportunities for employment.
- There is a global shortage of talent trained in blockchain technology and application development.

Admission Requirements

- A basic understanding of English
- You need a computer (with at least 8 GB RAM and 100 GB free space) Linux, MacOS Or Windows
- Access to the internet

Graduation Requirements

Students must attain a minimum grade of 70%.

Course 1: Introduction to Blockchain
5 hours



This course is designed to provide the learner with a foundational background and understanding of the emerging technology called blockchain and cryptocurrencies and further to spark their interest in the biggest technology since the internet

Learning Outcomes


At the end of this course the learner will be able to:

- Describe the origin of blockchain technology
- Define blockchain including its purpose
- Explain a minimum of five key terms that relate to blockchain technology
- Identify a minimum of five features as related to blockchain technology
- Describe what a distributed database is
- Explain the difference between Bitcoin and blockchain
- Describe blockchain's value proposition as a technology and as a disruptor
- Describe the current impact of blockchain technology on all aspects of business and society

Student Assessment

Assignments	20%
Quizzes	80%

TOTAL	100%

<p>Course 2: Introduction to Blockchain Networks and Platforms 5 hours</p>	
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This course is designed to provide the learner with a foundational background and understanding of the networks and platforms that encompass the technology called blockchain.

Learning Outcomes


At the end of this course the learner will be able to:

- Distinguish the types of blockchain networks including what environment they are best suited for
- Explain the strengths and weakness of public, private, consortium and permissioned networks in the blockchain ecosystem
- Describe the difference between public, private, consortium and permissioned blockchain networks
- Provide examples of the type of network that would suit different types of businesses and the reasons for using a specific network

Student Assessment

Assignments	20%
Quizzes	80%

TOTAL	100%

<p><i>Course 3: Introduction to the future of Blockchain</i> <i>5 hours</i></p>	
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This course is designed to provide the learner with a foundational background and understanding of what the future is for the emerging technology called blockchain and the digital economy.

Learning Outcomes

At the end of this course the learner will be able to:

- Explain the challenges that blockchain must overcome to gain mainstream acceptance
- Describe some of the possibilities that blockchain may influence for both commercial and social good
- Describe the difference between public, private, consortium and permissioned blockchain as used by organizations
- Describe many real world uses for blockchain technology

Student Assessment

Assignments	20%
Quizzes	80%

TOTAL	100%

High-lights of the K-12 Blockchain Technology Program

- Each course has been created by a Blockchain Subject Matter Expert
- This course been updated to be 2020 ready, so you will be learning with all the latest tools.
- This course will provide sufficient insight into blockchain and the digital economy so the learner can decided if blockchain is a career opportunity.

This program is for

- Anyone that is looking to the future for employment and career opportunities
- Those who have heard about Cryptocurrency (Bitcoin) and Blockchain and would like to learn more.

This program is created by



George Levy
Blockchain and the Digital Economy
Division Head
BlocksEDU learning corp.
Teaching over 70,000 Students world-wide

Notes:

1. Upon completing all three courses the learner will be issued a certificate of accomplishment from the Foundational Technologies Institute (FTI)

FTI is the professional credentialing organization. *Website* <https://ftechinstitute.com/>

2: You can take any of the courses in any sequence, but completion of each courses with a passing grade is required before you will received your certification from FTI.