
CERTIFIED ETHEREUM DEVELOPER (CED) LEVEL 1 CERTIFICATION PROGRAM

This program will guide the candidates through the concepts of an Ethereum Blockchain , while helping them master in Ethereum Programming.

By completing the program, participants will be able to code their own smart contracts on the Ethereum network; while also exploring the theory behind Tokens, ICO's, DAO's, and many more exciting new industry standard approaches to Blockchain Development.

This program consists of **three days intensive training** course and **one week of group work** on a capstone project (Real-life use case). You will receive a certificate upon completion of the course.

PROGRAM DETAILS

Program Length

**3 days Intensive Training + 1 Week
Capstone Project**

Date and Time

**Intensive Training : March
16th-18th**

9:00 a.m. - 5:00 p.m.

Location

**Bergeron Centre for Engineering
Excellence, York University**

**Online Certification Exam/
Capstone Project Submission
Due Date**

March 25th

Register Today at:
www.theblockchainhub.com/academy

Course Agenda

Module1-Intensive Training (3 days)

DAY 1 : INTRODUCTION TO ETHEREUM BLOCKCHAIN DEVELOPMENT

(9:00 am-1:00 pm) Blockchain Architecture high level concepts

(1 pm-1:30 pm) Lunch Break

(1:30pm-5:00 pm) Ethereum Blockchain Specific Concepts (Gas, EVM, smart contracts, etc.)

From cryptography to distributed/decentralized networks, participants will learn the basic concepts underlying most Blockchains. They will understand the basic evolution of Blockchains from Bitcoin to Ethereum. How and why this evolution took place, as well as understanding the historical context. There will be a main focus on how Ethereum works programmatically. We will be exploring Ethereum Theory, focusing on crypto-economics, token design and ICO's.

DAY 2: HOW TO CODE AN ETHEREUM BLOCKCHAIN

(9:00 am-10:30 am) Intro to Geth

(10:30 am-12:00 pm) Intro to Truffle framework

(12:00 pm-12:30 pm) Lunch Break

(12:30 pm-3:30 pm) In depth tutorial of Ethereum's Remix IDE

(3:30 pm-5:00 pm) Intro to Solidity

This module will focus on the programming aspects of Ethereum. Participants will learn the nuances of Solidity in the context of traditional web development. following this module, they will be able to set up a development environment and code their own specific smart contracts.

DAY 3: ETHEREUM BLOCKCHAIN DEVELOPMENT IN PRACTICE

(9:00 am-10:00 am) Intro to testRPC and Mist browser

(10:00 am-12:30 pm) Solidity by example: Raw transaction on testRPC, helloWorld contract on testRPC, escrow contract on Mist browser, coinFlip contract on Mist browser

(12:30 pm-1:00 pm) Lunch Break

(1:00 pm-1:30 pm) ERC 20 standard intro

(1:30 pm-5:00 pm) Build an ICO: ERC20 token, and ICO infrastructure

This module will focus on the hands-on programming of an Ethereum Blockchain. Participants will code their own smart contracts as well as building an ICO.

Module2-Capstone Project

Your capstone project is 1 or more smart contracts designed for a use case of your choice. It is due one week after finishing the intensive course (Module1).

INSTRUCTORS

Marek Laskowski (Program Chair)
Adjunct Professor & Co-Director of
Blockchain Research Lab
Schulich School of Business

Neeraj S Srivastava
Founder & CTO
DLT Labs

Stu Peters
CTO
ChainSafe Systems

Certified Ethereum Developer (CED) Certification program

REGISTRATION DETAILS

\$ 1,495 plus HST

Fee per Delegate

Fees include attendance, program materials, lunch and break refreshments. Group discounts are available.

CERTIFICATION

You will receive a certificate upon completion of the course. Participants must attend all program modules and successfully complete the take-home assignment/exam to receive a certificate. Once the certificate is granted, it will be hashed on the Ethereum blockchain and is globally accessible for further verification.

PROGRAM CHANGES

We will make every effort to present the program as advertised, but it may be necessary to change the date, location, instructors or content with little or no notice. In the event of program cancellation, Blockchain Hub's liability is limited to reimbursement of paid fees.

CANCELLATIONS AND SUBSTITUTIONS

Substitution of registrants is permitted at any time. If you are unable to find a substitute, a full refund is available if a cancellation request is received in writing 7 days prior to the program date. If a cancellation request is made with less than 14 days' notice, a \$75 administration fee will apply. No other refund is available.

Register Today at:
www.theblockchainhub.com/academy