



# Technology Ireland ICT Skillnet

## Ethereum Developer Course

September 17-21, 2018  
Ballsbridge Hotel, Dublin 4



# Overview

This course is for developers who want to take a comprehensive deep dive into all aspects of the Ethereum blockchain technology platform and its related smart contracts, and applications that interact with it.

The Course will be delivered by ConsenSys Academy who are developing the global blockchain ecosystem by bridging the Ethereum knowledge gap. These dedicated educators have the proven practical and academic experience to deliver a world class course..

ConsenSys is the leading creator of blockchain ventures and education programmes with a proven track record of success. The team delivering the programme comprises of experts with world-class sector expertise in Education, Blockchain Technology, Enterprise-grade Software Architecture, and Customer Success.

The training will allow participants to develop the core skills for Smart Contracts and DApps development, including key topics like security, gas optimisation and testing. Upon completion, participants will be able to code and deploy Smart Contracts, and design the user web interface to use them.

## **Profile and certification of participants**

The course is open to anyone with:

A strong interest and ambition to learn Ethereum and decentralised applications.

No prior or minimal experience in Ethereum is required to completed the developer course.

We strongly recommend participants to have a minimum of 6-months experience as a developer, preferably in web applications.

“Participants who attend 80% or more of the time will get a Certificate of Attendance and the possibility to take an exam for a Certificate of Proficiency”.

# Growing the Ethereum ecosystem?

ConsenSys is the leading creator of new blockchain ventures, consortia and alliances globally. ConsenSys participates in the funding, development and equity of these platforms, including co-creations with enterprise partners.

## 40+

### Venture Creations and Consortia

Innovation is in our DNA. Unlike large enterprise services vendors we have the agility, creativity and top end engineering skills to deliver platforms.

- Business model canvas
- Investment analysis
- Platform design
- Competitive strategy
- Design thinking
- Brand creation
- Go-to-market

### Strategic Partnerships



### Enterprise Platforms



### External Investments

CONSENSYS  
VENTURES

12 External  
Investments

### Consortium Creations



Enterprise  
Ethereum Alliance



Decentralized  
Identity Foundation



Accounting  
Blockchain  
Coalition

### University Partners



# Topics of Core Modules Being Covered - Day 1

The below modules cover Day 1 of the Ethereum Developer Programme.

SESSION 1	SESSION 2	SESSION 3	SESSION 4
<p><b>Blockchain Technology Fundamentals</b> (2h - 3h) is a deep-dive into the technology, core characteristic and innovations, and main attributes of interest for the business sector.</p>	<p><b>The Ethereum Platform</b> (1h - 2h) is a session for introducing participants to Ethereum as a decentralized world computer and the smart contract development platform for the web 3.0.</p>	<p><b>Challenges and Applications</b> (1h) addresses tech, user and legal barriers for Blockchain, as well as, the main use cases in development for different industries.</p>	<p><b>Blockchain Decision Framework</b> (2h) is a session for participants to learn how to assess the value of Blockchain for a use case of interest and identify potential business opportunities based on blockchain technology.</p>



# Topics of Core Modules Being Covered - Day 2-5

The below modules cover Day's 2-5 of the Ethereum Developer Programme.

DAY 2	DAY 3	DAY 4	DAY 5
Development Environment Setup & Private Blockchain	Mastering Ethereum Virtual Machine	web3.js - JavaScript API	Testing & Debugging
	Truffle & Ganache		Decentralized App Development
Solidity Fundamentals	Smart Contract Development II		
Smart Contract Development I			



## What does it cost?

The cost per person after applying the grant from Skillnet Ireland is €1,975.

## How do I Apply?

You must complete the online application form by clicking this link [Application Form Course 431](#)

## Further Information

For further information and to enquire about payment options please email [info@ictskillnet.ie](mailto:info@ictskillnet.ie)

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An Roinn Oideachais  
agus Scileanna  
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