UNIVERSITY OF NICOSIA

BLOCKCHAIN
TRAINING SERIES

Online Courses
for Professionals

Globaltraining

OUR BLOCKCHAIN PROGRAMS AND COURSES BRIDGE THE GAP IN SPECIALIST AND GENERALIST KNOWLEDGE IN THIS MULTI-DISCIPLINARY FIELD, AND POSITION THE UNIVERSITY OF NICOSIA AS A LEADER IN BLOCKCHAIN EDUCATION GLOBALLY.

WORLD'S FIRST

- FREE ONLINE MOOC COURSE ON DIGITAL CURRENCIES
- MASTER OF SCIENCE DEGREE IN DIGITAL CURRENCY
- UNIVERSITY TO ACCEPT BITCOIN TUITION PAYMENTS

RATE OF COMPLETION 17%

2-4 TIMES HIGHER THAN AVERAGE MOOC COMPLETION RATES

4000+ STUDENTS FROM 83 COUNTRIES

€300K IN SCHOLARSHIPS

UP TO €300,000 ANUALLY IN MERIT, NEED AND WORK-STUDY SCHOLARSHIPS
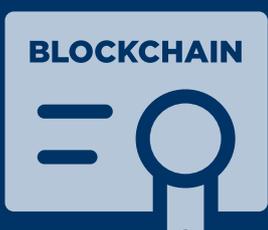
CERTIFICATES ISSUED

AND SIGNED ON TOP OF THE BITCOIN BLOCKCHAIN

THE FIRST TIME ANY ACADEMIC CERTIFICATION IS PUBLISHED IN SUCH A WAY

THE BLOCKCHAIN TRAINING SERIES

Everyone seems to be talking about the benefits and disruptive potential of blockchains, the trust-building technology behind Bitcoin. Digital currencies, smart contract platforms (like Ethereum) and digital payment clearing systems (like Ripple) are only a few examples of how blockchains affect organizations and are redefining whole industries worldwide.

Yet, few people are today properly equipped to understand, work with and manage large blockchain-related projects in government, banking, accounting, consulting and IT. As more and more industries are debating how blockchains might disrupt their future operations and create new opportunities for growth, the need for systematic and in-depth training on the technologies and applications of blockchains becomes a paramount necessity for professionals.

The Blockchain Training Series brings together some of the world's foremost academic and business experts to build the largest portfolio of Continuous Professional Development courses on blockchains to date. The course series is organized by the University of Nicosia - the world's first university to launch a Masters Degree in Digital Currency, in 2013 - and Globaltraining, the professional education arm of the university and a leading professional training organisation globally.

5 REASONS
TO INVEST IN THE BLOCKCHAIN TRAINING SERIES

1 Allows for a unique positioning in a fledgling industry that is poised to grow (think internet in the early 90s)

2 Constantly updated to keep pace with developments in this technology and scrutinizing them to focus on separating hype from real world applications

3 Unique opportunity for career advancement, change or remaining relevant as industries are rapidly changing

4 Understand the impact in your sector before others, while the solutions are being developed

5 An actionable professional course that will give you specific tools to assess the importance for your business sector.

OUR COURSES AND CERTIFICATIONS

While there is a wealth of academic research and startup activity in this industry, most incumbent businesses are as unaware of what is happening, as a regional taxi company was unaware of what Uber was before it hit their city.

The Blockchain Training Series has been designed to train professionals from the industries that are most affected by this disruptive technology. It consists of short courses (most under 3 hours in duration) addressed to professionals interested in:

the fundamentals of blockchains

How the technology works, why is it considered so revolutionary, what are its major current and future applications. Courses address, among others, distributed ledgers, Bitcoin, Ethereum, Fintech, Smart Contracts and Decentralized Autonomous Organizations.

the implications of blockchains for governments, policy makers, law professionals, and regulators

Courses address the legal treatment of digital currencies and smart contracts, the implications of extant and emerging new regulations in different jurisdictions, as well as applications in government services, law enforcement, and KYC/AML.

the implications of blockchains for accounting and finance

Courses under this category address how accountants, auditors, bankers and tax professionals should treat digital currency assets and transactions.

the technical ramifications of blockchains

These courses address development in Bitcoin and Ethereum, as well as security implications and solutions associated with public and private blockchains.

CUSTOMIZED IN-HOUSE TRAINING

As a leading provider of professional education for the financial sector, Globaltraining have years of experience providing targeted training which helps clients build a more productive, innovative and quality workforce.

Along with our structured courses and open seminars, we can work directly with you to design trainings which are customized to meet your needs and goals.

Our in-house trainings are presented by subject matter experts who have industry-specific experience and the most up-to-date technical know-how. These courses can be offered on-the-ground (at your premises or an outside location organised by Globaltraining) or online. All courses (in-house and open) will award Continuing Professional Development credits.

WHO SHOULD TAKE THESE COURSES AND WHY

By participating in this program, you are positioning yourselves to soon be part of an exclusive set of people in business and finance that have a broad understanding of the financial, banking, payment, regulation, cryptography, game theory and technology innovation markets. You will gain invaluable understanding of how this technology is impacting the global market, and acquire skills that are immediately applicable to understand and respond to this emerging ecosystem, as it develops.

One of the most innovative courses in the world right now, geared purely towards existing business, the challenges they will face and covering in depth how they can respond.

 Taught by global experts in the field with prominent research and real world experience since the very early days of the technology.

Blockchain technology is about multi-disciplinarity and they are applicable to increasingly more industries beyond every aspect of finance, banking, insurance, payments, accounting, auditing, consulting, the legal profession, supply chain management, interconnected devices, M2M communication automation, autonomous machines, and many more. If you're part of the above industries, you can't afford not to know about these topics.

TEACHING METHODS

All our Blockchain courses will be offered online via pre-recorded videos. Learners will be provided personal access to our web-based Learning Management System (LMS) where they will find:

HD Videos

Our high-definition videos engage the learner through interactive quizzes, dynamic instructors and visual presentation. As pre-recordings our videos give the learner full flexibility as to when and where to attend the course, and the courses can be watched on multiple devices including most mobiles and tablets.

Final Exam

At the end of each course the learner will be required to sit a short, multiple-choice exam to help them reflect on the knowledge gained and identify any areas of weaknesses so that they can review the content in the video again.

Discussion Forum and Instructor Contact

To further engage the learner an active discussion forum will be accessible as well as direct asynchronous contact with the instructor for specific questions.

Certificate of Completion

On completion of the video and final exam, the learner will be issued with a Certificate of Completion which can be used as part of their continuing professional development credits.

Note: All courses are accepted by the ACCA and ICAEW for CPD credits, and rom early 2017 Globaltraining is expecting all courses to be approved by the National Association of State Boards of Accountancy (NASBA) for CPE credits.

FACULTY

The University works with some of the most well-respected expert instructors in the industry, as is represented in our MSc in Digital Currency program. Below are some industry professionals who we currently collaborate with.

Mr. Andreas Antonopoulos

For more than two decades, Mr. Antonopoulos has advised hundreds of organizations on their business strategies regarding emerging technologies and trends. As a technologist and serial entrepreneur he has become one of the most well-respected figures within the Blockchain field. Andreas is the author of "Mastering Bitcoin", which is considered for many the best Bitcoin guide in the world.

Mr. Antonis Polemitis

Mr. Polemitis has international experience consulting private equity firms, merchant banks and multi-billion dollar private investment funds in business process outsourcing and higher education practice. Mr. Polemitis now serves as a Director on the coordinating Board of the University, is an adjunct faculty member and leads the industry advisory committee for the University on digital currency. Mr. Polemitis holds an MBA from Harvard Business School where he graduated with highest distinction as a Baker Scholar.

Dr. Ghassan Karame

Dr. Karame is a Senior Researcher in the Security Group of NEC Research Laboratories in Germany and a Bitcoin cryptography researcher. Before joining NEC Labs, Ghassan was working as a post-doctoral researcher in the Institute of Information Security of ETH Zurich, Switzerland.

Dr. Charles W. Evans

Dr. Charles Evans is a Forensic Economist, Financial Cryptography Consultant and Professor of Economics & Finance. He holds a PhD in Finance from Florida Atlantic University. Dr. Evans now balances his time between teaching and serving as Executive Director of Conscious Entrepreneurship Foundation, which promotes Bitcoin among the worlds unbanked and underbanked. He also serves as an expert witness on Bitcoin in criminal trials and civil lawsuits.

Mr. Mark Toohey

Mr. Toohey is an experienced commercial and technology lawyer who has worked with both major law firms and as general counsel in the media, telecommunications, software and IT industries. He was an early adopter of digital currency and blockchain technology and has advised numerous clients in the Fintech sector, becoming one of the leading authorities on the intersection between the law and these new technologies.

Mr. George Papageorgiou

Mr. Papageorgiou is a former officer and Air Force jet aircraft engineer, with additional experience in Intellectual Property, technology management consulting and entrepreneurship. He has an MBA from Greenwich University and is currently pursuing a PhD on Digital Currency at the University of Nicosia. George administrates the MOOC and co-lectures the MSc courses "Open Financial Systems" and "Digital Currency in the Developing world".

Dr. George Giaglis

Dr. Giaglis is Professor of eBusiness at the Athens University of Economics and Business and the Scientific Co-ordination of the MSc in Digital Currency at the University of Nicosia. He has published more than 150 research papers on eBusiness, Information Systems, Social Network Analytics and the organisational implications of digital money and blockchains. He serves on the Editorial Board of Ledger, the first academic journal on distributed ledgers and blockchains.

Mr. Adam Hayes

Mr. Hayes, CFA is co-founder and CEO of ChainLink, a blockchain-based startup conferring tamper-proof certificates of title and authenticity to property and luxury items. He has written a number of research papers on Bitcoin, digital currencies, and blockchains. Adam has over 15 years Wall Street experience in the derivatives markets and in private wealth management, and has consulted on the subject of Bitcoin & blockchain for a number of Fortune 500 companies. He holds an MA in economics from the New School for Social Research in New York, NY and is a PhD candidate in economic sociology at the University of Wisconsin-Madison. Adam co-teaches the course "Digital Currencies in the Developing World".

Mr. Ioannis Menelaou

Mr. Menelaou is an Executive Director of a European Investment Firm, and he also acts as an advisor for technology companies with Blockchain and investments' related projects. Mr Menelaou has expertise on exchange traded instruments and is accredited with professional investment certifications. He co-lectures two of the MSc courses – "International Currency Markets" and "Financial Markets and Alternative Investments".

Dr. Dmitry Apraksin

Dr. Apraksin has been working in the technology industry for over two decades. He is a senior lecturer at the University of Nicosia within the Computer Science department and has particular research and professional expertise in Computer Networks and Database Management. He holds an MSc in Management Information Systems from the State University of Management, Moscow Russia and a PhD in Economy (concentration MIS), from the same University.

Mr. Odysseas Christodoulou

Mr. Christodoulou is the CEO of Globaltraining and a member of the Council of the University of Nicosia. Previously, Odysseas worked with Coopers and Lybrand and in the banking sector. He has and currently serves as a non-Executive Director in various Boards of public companies and banks. He is a Fellow member of the Association of Chartered Certified Accountants (FCCA) and of the Chartered Institute of Bankers (FCIB), as well as holding an MBA and the Certified Management Accountant (CMA) qualification.

Dr. Soulla Louca

Dr. Louca is a professor, coordinator of the online Master's degree in Digital Currency and Associate Dean of the School of Business at the University of Nicosia. She holds a PhD in Computer Science from Illinois Institute of Technology and has been involved in numerous international ICT projects including the National Science Foundation (NSF-USA). During the years 2008-2014, she was elected to chair the Domain Committee for ICT for the 36 Member States of the European program COST, participated in numerous pioneering research activities and promoted the ICT policy in Europe.

Ms. Georgina Acworth

Ms. Acworth is a fellow member of the Association of Chartered Certified Accountants which she trained for with PwC in London. She spent a number of years in the audit profession (Big 4) where she worked on multi-national companies in a variety of industries before working as an accountant in an online investment company. She then joined the education sector where she has been involved in developing online education for professionals, digital marketing and e-commerce.
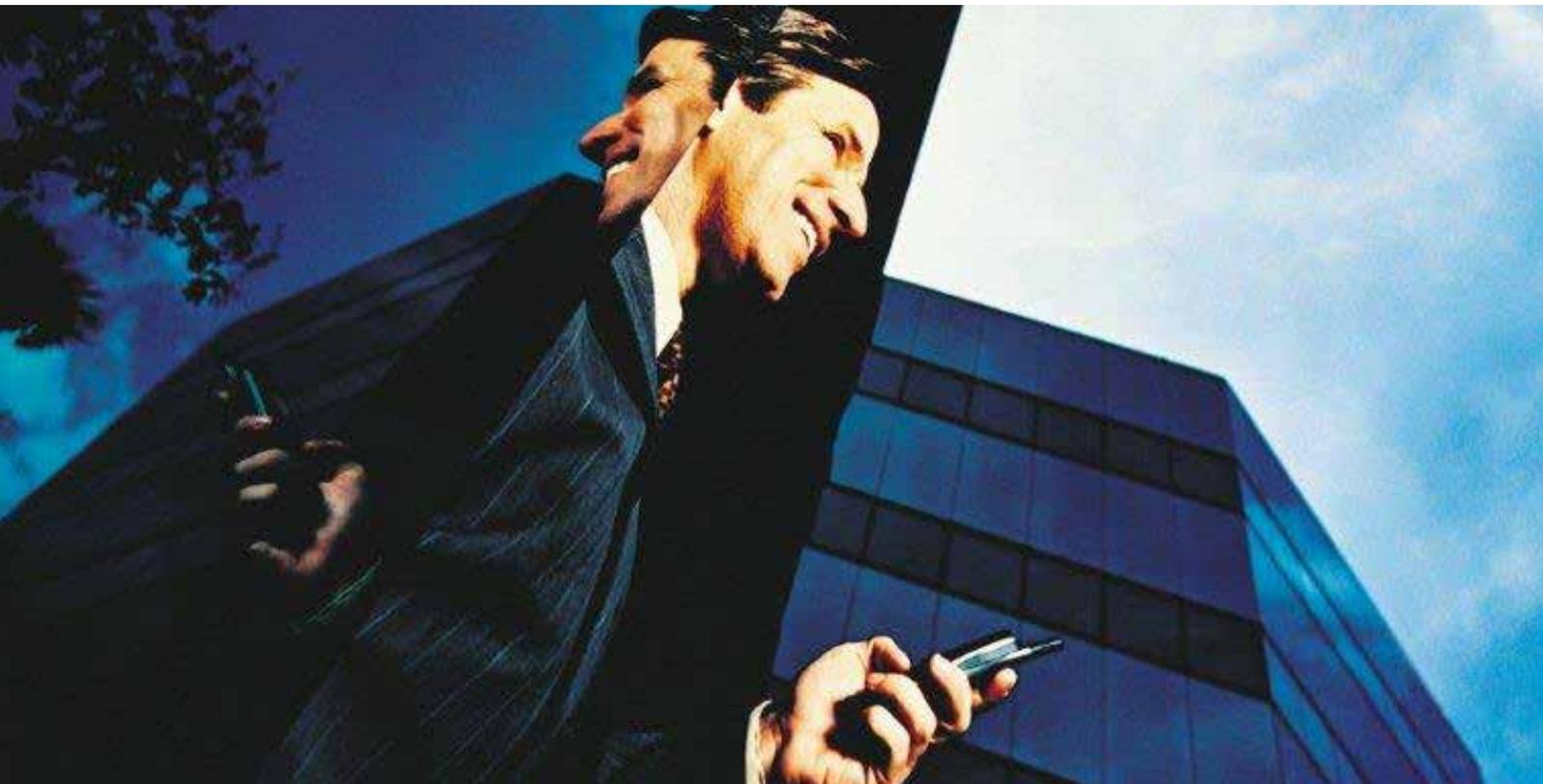
INTRODUCTORY COURSES

| Introduction to Bitcoin and Blockchain | General, Beginner Level | 3 hours |

An introduction to the history and principles governing Bitcoin and the origin of the Blockchain. After this course you will be able to understand what the excitement is all about, and what parts are important.

| Introduction to Fintech | General, Beginner Level | 3 hours |

An introduction to the new environment developing in financial services, and how they are disrupting the status quo in payments, lending, insurance, trading, etc.

| Bitcoin, Blockchain and the Developing World | General, Beginner Level | 3 hours |

A foray into the potential of Blockchain technology to improve financial inclusion in the Least Developed countries and provide a platform for wireless infrastructure "leapfrogging" with increased speed, efficiency and less intermediaries and bureaucratic structures.

| Introduction to Blockchains | General, Intermediate Level | 3 hours |

In this course we look beyond Bitcoin and the basic elements of a blockchain to alternative consensus mechanisms and a variety of different security approaches. We also take a foray into private blockchain structures and what their advantages and potential disadvantages, and implications are.

| Introduction to Ethereum | General, Intermediate Level | 3 hours |

Ethereum is one of the first cryptocurrency platforms operating with so called "smart contracts". We examine the reality and potential of it, including what took place with the DAO, how it developed and its potential ramifications for the larger network.

| Introduction to DAOs | General, Intermediate Level | 3 hours |

An investigation of the potential of DAOs as instruments of decentralizing decision making, organizational structuring and governance. We'll also be looking in detail in the the failure of "the DAO" and what elements beyond the technical, contributed to its demise.

| Introduction to Smart Contracts | General, Intermediate Level | 3 hours |

We dive into the elements that are needed to make a contract "smart", what it represents, what are its legal implications, what platforms are available (and to what extent) to materialize them now, as well as what are the prospects for the future of these novel instruments.

BLOCKCHAIN FOR GOVERNMENT AND REGULATION

Bitcoin and Blockchain : Legal Issues and Regulation Regulation, Beginner Level 3 hours

An introduction to the most common themes in regulation in the industry, the legal implications and the approach that the most prominent countries have taken to regulating the industry.

Digital Currencies and Advanced Legal Considerations Regulation, Intermediate Level 3 hours

This course addresses the major legal implications surrounding the use of Digital Currencies in their various manifestations (asset, property, commodity, security, etc) interfaces with the conventional economy and legal structures.

Bitcoin and Blockchain For Central Banks Regulation, Intermediate Level 3 hours

Blockchain technology is already proving a safe alternative to conventional data structures and the dispersal of risk among several participants is an optimal way of structuring a modern infrastruture. Beyond the conventional technical elements, we explore how it could lead to the better management of money and data supply as well as the more objective and accountable regulation of incumbent entities regulated by Central Banks (banks, payment institutions, etc).

Bitcoin and Blockchain For Government Government, Intermediate Level 3 hours

Blockchain technology is already starting to make inroads to government functions and promises to stream-line them, make them more efficient, with fewer costs and less bureaucracy. At the same time, it enables several new opportunities like increased transparency, auditing, regulation and accountability to almost all government branches and their interoperation and also the relationship with citizens.

Bitcoin and Blockchain For Law Enforcement Government, Intermediate Level 3 hours

In this course, we go into detail in the new challenges, new definitions and new techniques law enforce-ment is faced with to discover and address illicit activities. Cybercrimes divisions are becoming more important and need to be better equipped to face present and future challenges.

Digital Currency and KYC/AML Regulation, Intermediate Level 3 hours

Beyond examining the interface of existing regulation as it pertains to digital currency transactions and exchange, we examine how these topics relate to the issues of privacy, anonymity and monitoring, in the context of the global economy.

BLOCKCHAIN FOR ACCOUNTING AND FINANCE

Bitcoin, Blockchains and Financial Services	Finance, Beginner Level	3 hours

How blockchain technology can transform and further disrupt the banking and financial services industry. We explore a variety of up-to-date applications and how the future is shaping to be.

Bitcoin and Blockchain for Accountants	Accounting, Intermediate Level	3 hours

This course addresses the handling of Bitcoin and other digital currencies as part of a company's balance sheet, in the most popular jurisdictions and maintaining transparency with regulators, tax authorities and shareholders without sacrificing their security or data privacy.

Bitcoin and Blockchain for Auditors	Accounting, Intermediate Level	3 hours

How blockchain based data structures can be used as tools to aid auditors and regulators, from an infrastructure perspective, to improve reporting, transparency, accountability, tax planning and a corporate's financial admnistration and management.

Cryptocurrency Taxation (USA)	Accounting, Intermediate Level	3 hours

In this course, we will examine the treatment of Bitcoin and other cryptocurrencies which is based on the IRS guidance, issued on March 2014. Even though Bitcoin is clearly recognised as property, there are some unresolved issues which are also going to be assessed during this class, such as the treatment of mined alt-coins.
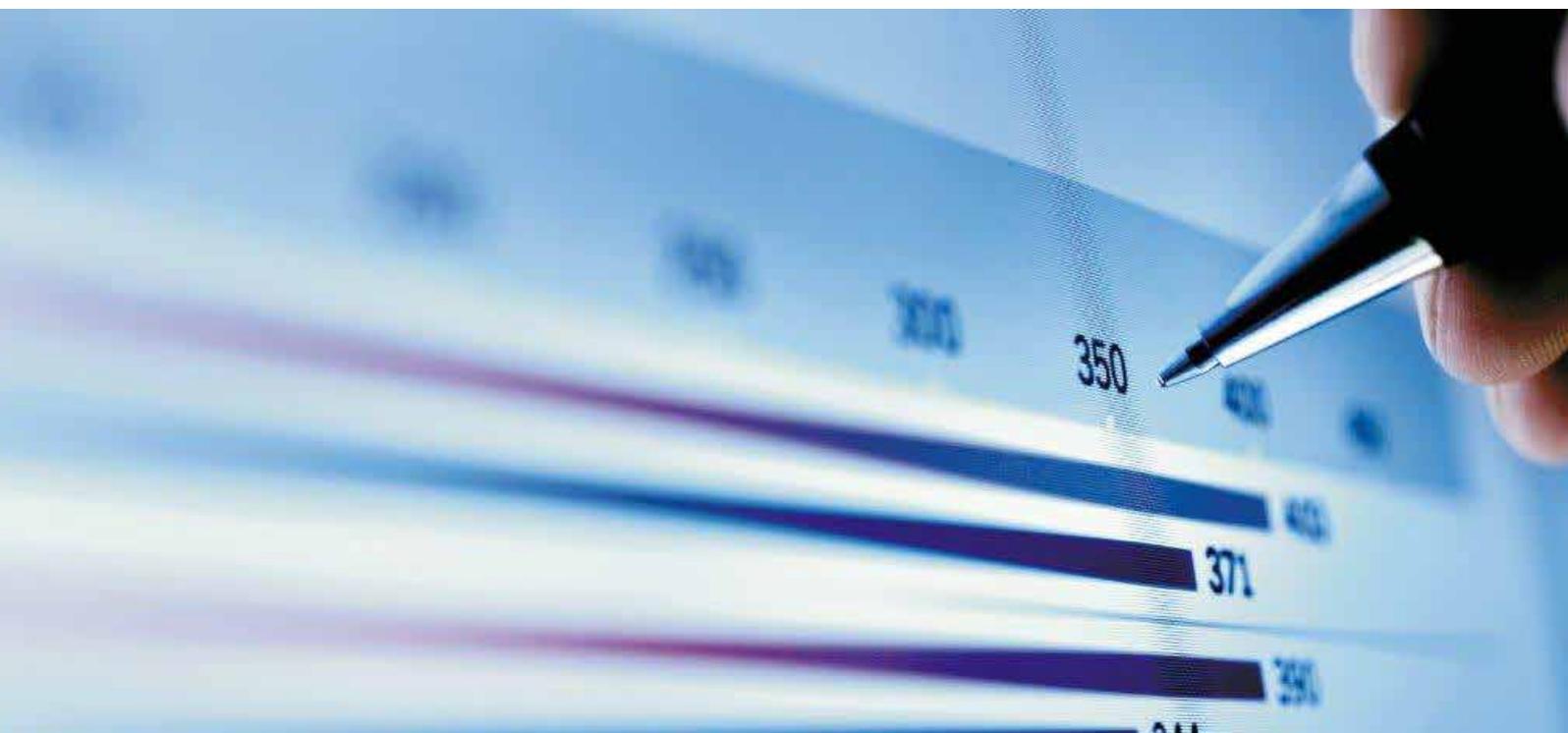
BLOCKCHAIN FOR DEVELOPERS AND IT

3-hour Courses

Security Risks in Bitcoin	**Technical, Intermediate Level**	**3 hours**

We discuss all the hitherto known attack vectors in Bitcoin, the threat levels each may provide and mitigation strategies that are available.

Security Risks in Ethereum	**Technical, Intermediate Level**	**3 hours**

We discuss all the hitherto known attack vectors in Ethereum, the first iteration of the DAO and why it failed, as well as different mitigation strategies to other potential vulnerabilities that arise.

15-hour Courses

Developing for Bitcoin 101	**Technical, Beginner Level**	**15 hours**

An introductory course on Bitcoin's scripting language, its capabilities, its limitations and the rationale behind it. A language agnostic and practical course to develop basic familiarity with all aspects of Bitcoin programming.

Developing for Ethereum 101	**Technical, Beginner Level**	**15 hours**

An introductory course on the programming of Ethereum and smart contracts, including programming in Solidity, its capabilities and its limitations. A practical course to develop basic familiarity with all aspects of Dapp and Solidity programming.

Developing for Bitcoin 201	**Technical, Advanced Level**	**15 hours**

An advanced course in the details and nuances of Bitcoin's scripting language, including latest BIP inclusions and the most prominent proposals for improving the core of Bitcoin. The results of this course are practical applications with real world usability and will be under the scrutiny of the whole Bitcoin community. Suggested only for very advanced developers.

Developing for Ethereum 201	**Technical, Advanced Level**	**15 hours**

An advanced course in the details of Dapp development for Ethereum, including full deployment and operation. The results of this course are practical applications with real world usability and will be under the scrutiny of the whole Ethereum community. Addressed to developers with prior Bitcoin/Ethereum programming experience and graduates of 'Developing for Bitcoin/Ethereum 101'"

THE UNIVERSITY OF NICOSIA

The University of Nicosia is a leader in Blockchain and Digital Currency education globally. It was the first accredited university in the world to offer both a free MOOC (Massively Open Online Course), as well as a Master's Degree in Digital Currency. Our MSc graduates are successful Blockchain experts and entrepreneurs and we have educated thousands more around the world via our free introductory courses.

University of Nicosia certificates are issued and signed on top of the Blockchain, which marks the first time any academic certification is published in such a way.

GLOBALTRAINING

Globaltraining is a leading professional training organization with a global presence and a long-standing track record of success in the area of professional education, specializing in the financial sector.

Globaltraining's integrity and professional competence are the cornerstones of the organization. The provision of high quality training in all aspects of accounting, auditing, finance, business, strategy and management, allows delegates to enhance their career and professional skills.

CONTACT

t USA +1 (347) 637 6816 • UK +44 (20) 3769 5428 • CY +357 22 841798
e blockchain@globaltraining.org
w www.globaltraining.org/blockchain-training-series
a 46 Makedonitissas Avenue, P.O. Box 24005, 1700 Nicosia, Cyprus