BLISS project

BLOCKCHAIN SKILLS CERTIFICATE SUPPLEMENT

BLISS Vocational Open Online Course Certificate
developed by the "Blockchain skills for ICT professionals - BLISS" consortium co-funded by the ERASMUS+ programme

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Translated title

Profile of skills and competences

Individual Units

Unit 1: Blockchain essentials

Unit 2: Blockchain platforms

Unit 3: Business merits, challenges and implications of blockchain technology

Unit 4: Practical design and development of blockchain applications

Learning outcomes

The holder of this certificate will be able to demonstrate the following knowledge, skills and competences:

- Give an account of the advantages and disadvantages of the features of a specific blockchain application, namely in terms of security, decentralization and consensus attainment
- Autonomously explain the operation of a smart contract in a given blockchain
- Evaluate the feasibility of implementing the specified decentralized blockchain
- Provide expertise to report on a detailed plan of tests of the specified decentralized blockchain application
- Interpret the legal, regulatory and consumer challenges to wider blockchain adoption and conformance
- Monitor the intervention of blockchain technology in business models
- Analyse blockchain SWOT (Strengths, Weaknesses, Opportunities, Threats) for specific industry scenarios
- Intelligibly present blockchain industry business models
- Communicate business opportunities behind the limits of the blockchain

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- Critically evaluate the technical options for blockchain solution suitable to varied practical scenarios
- Report on the feasibility of selected blockchain solution to the specific scenarios
- Account for optimization of application development, maintenance and performance by employing design patterns and by reusing proved solutions
- Autonomously report on the advancement of the application development

Range of occupations accessible to the holder of the certificate

ICT professional

Blockchain developer

Database Administrator

ICT security specialist

Computer network and system engineer

Explanatory note

This document is designed to provide additional information about the specified certificate and does not have any legal status in itself. The content of this course has been developed by the BLISS consortium and are publicly available under the Creative Commons license 4.0 B.Y. The European Commission support for the production of this publication does not constitute an endorsement of the contents which reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

Official basis of the certificate

Name and status of the body awarding the certificate
  Organisation Name:

  Telephone:
  Website:
  E-mail:

Level of certificate (national and international)	Grading scale/Pass requirements
Level 5 National and European Qualifications Framework	Theory (MCQ, work assignments, short response questions & practical exercises Pass/Fail Pass rate: ≥ 50%
Legal basis N/A	

Official recognised ways of acquiring the certificate

Description of vocational education and training received	Percentage of total programme	Duration (hours)
Web-based training	100%	156 hours
Total duration of training leading to the certificate		**156 hours**

Entry requirements

There are no specific entry requirements or prior knowledge on blockchain necessary to complete the course. Candidates should have at least a basic ICT background.

For more information contact organisation website