

Certified Blockchain and Distributed Ledger Technology Manager

This micro-credential is designed for: professionals/life-long-learners

Subject area: Computer Science/ICT, Business/Management

University: TUM

Prerequisites: No previous knowledge in Blockchain & DLT necessary.
Participants should have at least 2 years of professional experience.

Teaching mode: completely online, at specific time (synchronous)

Instructor(s): Prof. Dr. Florian Matthes

Costs: €1,990

Description

In this program on one of the most promising but also contentious technologies, participants learn how to implement and manage Blockchain and DLT, and how to unlock its potential for the enterprise. This Certificate Program covers the technical, business, social and legal aspects of blockchain-based solutions in a balanced and unbiased way. The course design includes a variety of industry-specific options that enable participants to immediately apply what they have learned to their individual work environments.

<https://www.lll.tum.de/certificate/certified-blockchain-dlt-manager/>

Learning outcomes

Learners...

- will be able to conceptualize concrete use cases of blockchain technology
- visualize combined blockchain, IoT & supply chain tracking systems
- will have a comprehensive overview of different categories of use cases and their success factors and can decide sovereignly to make beneficial use of blockchain against other technology options (databases, cloud platforms, workflow engines).
- will be able to evaluate the relevance of the top-level categories of decentralized technologies.

- will be able to explain the technical concepts of blockchains, distributed ledger technologies and smart contract platforms
- are able to evaluate the potential and limitations of Smart Contracts from an economic perspective
- understand different token classification systems (engineering and design), the evolution of the commercial internet from Web1-3, get an overview of storage solutions for digital assets
- will gain an overview and first experience in usage of Smart Contracts, decentralized applications (dApps), cryptocurrencies and tokens, key management tools like MetaMask, block explorers like Etherscan.io and the programming language Solidity.
- can create accounts and transactions.
- will gain a solid understanding of where and how blockchain technology might disrupt existing value chain activities and business models across several industries.

General information

Contact hours per week:	1
Total workload:	125.25 (in hours for the whole course)
ECTS credits:	5
Course start date:	01/10/2023
Course end date:	15/12/2023
Weekly teaching day/time:	
Time zone:	CET (Denmark, Germany, France, Netherlands, Switzerland, Czech Republic)
Further information:	
Activities and methods:	Self-study
Presence on campus:	

Final examination

Form:	assignment
Date:	
Location/format:	online
Add. info/requirements:	

Registration

To register for this micro-credential, follow the registration requirements of the corresponding university as specified here (“How do I sign up”): www.euroteq.eu/microcredentials-registration.

Administration

Number of places: 10

Minimum participants:

Contact: blockchain.epe@lll.tum.de

Internal course code:

This course is a micro-credential developed by EuroTeQ Engineering University, a collaborative activity of the partner universities DTU, L’X, TU/e, TalTech, CTU and TUM. It is the responsibility of the participant to check if you fulfil the requirements to participate in a specific course, as specified in the description. When the course is completed successfully, participants will be awarded the EuroTeQ micro-credential, evidencing the learning outcomes. For further information about EuroTeQ Engineering University, visit www.euroteq.eu or get in touch with the above-mentioned point of contact.