

Cyber Security acc. to IEC 62443-4 for Components in Industrial Automation and Control Systems

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Formation



Sessions sur demande



Certificat



Formation présentielle



28 heures

Référence de la formation: FR-CySec

Version: 19.04.2024. Vous trouverez toutes les informations actuelles sur <https://academie-fr.tuv.com/s/FR-CySec>

Participants have the opportunity to obtain the CySec Specialist certificate (TÜV Rheinland)".

Les objectifs

Participants have the possibility to obtain an official verification of their expertise in Cyber Security. By continuous participation in this 4 day training and passing a final exam successfully, they will receive a "CySec Specialist (TÜV Rheinland)" certificate.

This certificate states that specific knowledge within the field of Cyber Security in Industrial Application for Component design and development has been achieved.

The training focuses on technical details regarding the development of system components which need to fulfill a Security Level (SL). All requirements of relevant standards to achieve a product with a defined security level, will be introduced and discussed.

Emphasis will also be put on the analysis of weak points, specific security related product development and documentation issues as well as required test or assessment processes.

Contents of this training refer to the international standard IEC 62443. Topics will be explained and discussed on the basis of concrete examples.

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Le public ciblé

Developers, testers, programmers, project managers etc. who are responsible for the development of control systems and network components for industrial automation.

Les prérequis

Requirements for the "CySec Specialist (TÜV Rheinland)" Certificate

Participants shall fulfil the following requirements:

- A minimum of 3 years experience in the field of safety or security of industrial control systems.
- technical degree (Bachelor, Master, Diplom or similar) as engineer, IT specialist or professional, computer scientist, physicist

or

- equivalent experience and responsibilities as certified by employer.

(Persons without any experience may attend the training and exam. In case of passing the exam the CySec Specialist (TÜV Rheinland) certificate will be issued as soon as 3 years of required business experience are fulfilled.)

Le contenu de la formation

Day 1

- Functional Safety and Cyber Security
- Legal Aspects
- Definition of Security Levels
- Security Life-cycle Development

Day 2

- Security Risk Assessment and Threat Modelling
- Specification of Security Requirements
- Design of Security Software-Architecture
- Security Tools

Day 3

- Details of Software Design
- Modul Implementation
- Modul Testing
- Security Guidelines

Day 4

Exam: duration approx. 3-4 hours.

Informations importantes

Link to the training webpage :

https://www.tuv.com/landingpage/en/training-functional-safety-cyber-security/catalogue_pages/catalogue11-cyber-security-in-industrial-product-development.jsp

Si vous êtes en situation de handicap, nous vous remercions de bien vouloir nous contacter avant de procéder à l'inscription en envoyant un mail à formation@fr.tuv.com. Nous mettrons tout en œuvre pour répondre à votre besoin de formation.

If you have a disability, please contact us before registering by sending an email to formation@fr.tuv.com. We will do our best to accommodate your training needs.