

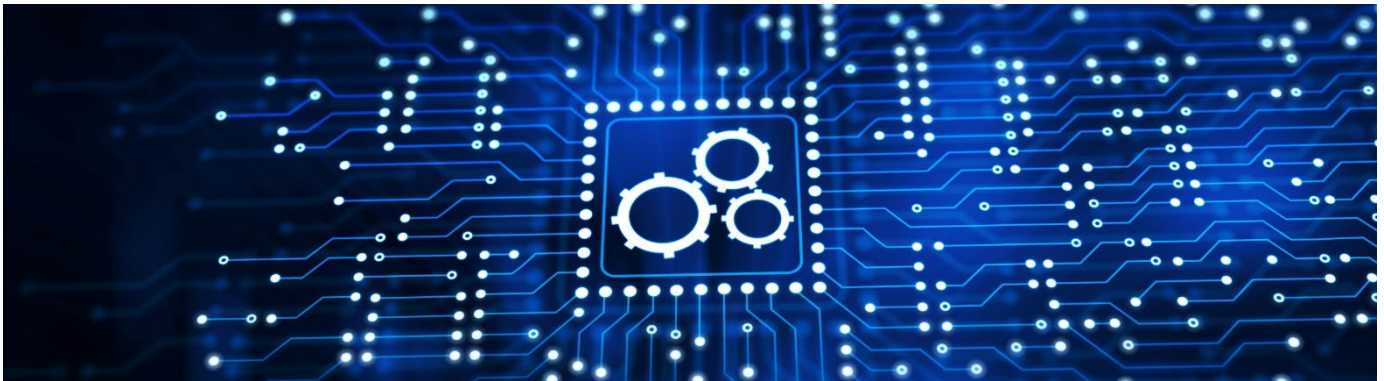
Functional Safety Engineer (FSE)

What does Functional Safety mean?

Functional safety describes the technically necessary measures to provide the adequate safety systems based on the appropriate hard- and software solutions.

Since 1869 TÜV NORD has been accompanying industrial customers in more than 70 countries

as a reliable and competent Partner in trainings and products or system development. We can make your products and production processes reliable and safe through our long-term practical experiences with the international safety standards of functional safety.



Course objectives:

The objective of the **Functional Safety Engineer training** is to explain the approach to Functional Safety, applying its correct management together with the fundamental requirements of the standards concerning functional safety in accordance with the series of standards **IEC EN 61511**, with the scope to obtain the **qualification of personnel with international recognition**.

It will deal with risk analysis and classification of the SIL level for Safety Instrumented Systems, together with the definition of the SIS or Safety Instrumented System Specifications. Functional Safety personnel certification provides the proof of personnel's competence, skills and understanding of functional safety lifecycle activities.

Content:

- Introduction
- Historical accidents
- How to approach the functional safety
- Hazard & Risk Assessment
- SIL allocation
- Safety Requirement Specification
- SIS design and engineering
- SIS Factory acceptance test (FAT)
- SIS installation and commissioning
- SIS safety validation
- SIS operation and maintenance
- SIS decommissioning

Participants and prerequisites:

Control engineers, Safety engineers, System integrators, Managers of engineering departments, professionals who wants to have their functional safety knowledge certified.

There are no mandatory prerequisites, being a technical training requires basic knowledge of electrical/electronic and automation.

Course date and venue:

Zagreb, 13th – 15th of March 2024

The course will be held in English language and includes theoretical sessions and the related application cases/examples.

Upon successful completion of the written exam, participants will be awarded with their personal certificate issued by TÜV NORD Italy - TÜV NORD GROUP. The certificate validity is 5 years.

Also, successful participants will be listed as certified FSE on the website database of FSE IEC 61511 professionals.

The training will be led by **TÜV NORD Certified Trainer** for UL-CFSP (Certified Functional Safety Professional) Certification Training and Educator for IEC 61511 and ANSI/ISA 61511.

Course fees:

Registrations of 3 or more participants from the same company have a 10% discount on the total course fee.

- Three-day course + written examination and qualification

3.000,00 EUR + VAT

The training fee includes:

- Course material in English language
- FSE certificate (If requirements are fulfilled and exam passed accordingly) issued by TÜV NORD Italy - TÜV NORD GROUP and listing on the FSE IEC 61511 website database.
- Refreshments and Lunch

- Three-day course without examination and qualification

2.500,00 EUR + VAT

The training fee includes:

- Course material in English language
- Certificate of attendance
- Refreshments and Lunch

Registration deadline: 09th of February 2024

Register here:
[Functional Safety Engineer](#)



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