

TÜV Rheinland Functional Safety Training Program

Topic: Functional Safety of Automotive - Training

Functional Safety Engineer (TÜV Rheinland)

Duration: 4 Days

Location: Public, Virtual, & In-Person

SecuRESafe (SRES) is an accepted course provider of the worldwide acknowledged TÜV Rheinland Functional Safety Training Program.

General Information about this training

This training covers all topics relevant within the international standard ISO 26262:2018, including all 12 Parts. ISO 26262:2018 is the state-of-the-art standard on functional safety for automotive manufacturers and suppliers. The training is provided by automotive functional safety experts and covers practical examples and exercises to support the understanding of key concepts and requirements of the standard. The live training allows for active discussions on the practical application of the standard in the automotive industry. An optional exam to get FS Engineer (TÜV Rheinland) certificate in Automotive is provided on the fourth day of training.

Who Should Attend?

The course is designed for engineers, managers and anyone exposed to the standard that need to successfully implement or work with the requirements of ISO 26262:2018. The course consists of lectures, practical exercises and examples, discussions and offers opportunities for questions and exchange of experience from SecuRESafe's automotive functional safety experts.

Certificate

Participants with at least 3 years of functional safety experience and a university degree who complete the training and pass the exam will receive the FS Engineer (TÜV Rheinland) certificate with a unique ID. Certified individuals are listed at www.certipedia.com.

Agenda:

Day One:

- Welcome and introduction
- Motivation and scope
- Introduction to safety engineering
- Management of functional safety
- Concept phase and Hazard Analysis and Risk Assessment (HARA)

Day Two:

- Concept phase and HARA (continued))
- Product development at the system level
- ASIL decomposition

Day Three:

- Analysis of dependent failures
- Product development at the hardware level
- SEooC
- Bus systems
- Production / operation

Day Four:

- Product development at the software level
- System and item integration and testing
- Validation
- Wrap-up
- Training Summary
- Comments, Questions, and Discussion

Day Five:

- FS Engineer (TÜV Rheinland) Certificate Exam