

System Safety Engineer – Advanced (IT-05)

Professional Qualification as
Functional Safety Automotive System Engineer

Duration	3 days
Prerequisites	Certification as FS Automotive Engineer – Basic Level
Language	Italian or English
Training material	English

Programme

[Day 1]

ISO 26262-2: Management of functional safety

- Overall safety management

ISO 26262-3: Concept phase

- Overview hazard analysis and risk assessment on the item
- Overview functional safety concept

ISO 26262-4: Product development at the system level

- Specification of the technical safety requirements and system design
- Item integration and testing
- Safety validation and release for production

ISO 26262-5: Product development at the hardware level

- Specification of hardware safety requirements
- Hardware design, hardware integration and testing
- Evaluation of the hardware architectural metrics

[Day 2]

ISO 26262-6: Product development at the software level

- Specification of software safety requirements
- Software design (architectural, unit and implementation)
- Software unit testing and integration testing

ISO 26262-7: Production and operation

- Production, operation, maintenance, repair and decommissioning

ISO 26262-8: Supporting processes

- Confidence in the use of software tools
- Qualification of components

ISO 26262-9: ASIL-oriented and safety-oriented analyses

- Requirements decomposition with respect to ASIL tailoring
- Safety analysis

[Day 3]

Review of all treated matters in a session of practical exercises

Written and (if necessary, for borderlines) oral exam (2 hours)