

SAFETY ANALYSIS TRAINING



ISO 26262: FMEA, FMEDA & FTA

Virtual or On-Site Two-Day Training

Practicing automotive engineers are invited to attend *Safety Analysis Training Based on ISO 26262: FMEA, FMEDA & FTA*. This two-day course will address the requirements of the ISO 26262 standard, 1st & 2nd editions, as well as provide detailed examples from Parts 4, 5, & 6. Call **864.630.5373** for more information or visit kvausa.com/training/.

DAY 1 TOPICS

Morning: FMEA

- FMEA Basics
- Modes, Effects & Causes
- Unique Requirements for Safety FMEA
- FMEA for FSC & TSC Development
- Software Safety Analysis using FMEA

Afternoon: FMEDA

- Quantitative vs. Qualitative Analysis
- FMEDA Basics
- FIT Rate Calculation including Catalogs
- Diagnostic Coverage
- Calculating ISO 26262 Metrics with FMEDA, including PMHF, SPFM & LFM

DAY 2 TOPICS

Morning: FTA

- FTA Basics
- Functional FTA for FSRs
- Probability Calculations in FTA
- Hardware FTA
- Calculating ISO 26262 Metrics with FTA, including PMHF

Afternoon: Advanced Topics

- Similarities & Differences Between FMEDA & FTA
- Confidence Levels
- Fault Detection, Mitigation & Control
- Multi-Point Fault Detection Interval
- Integrating Metrics for Safety Validation
- Vehicle-level Integration of Supplier Safety Analysis