



FMEA & Criticality Analysis

Maintenance & Reliability

QGT-MRE-112 | Foundation | 5 or 10 days | Online, classroom, in-house

Course overview

FMEA & Criticality Analysis is an introduction that builds a solid working knowledge in FMEA & Criticality Analysis. It covers the principles, the requirements of ISO 55001, ISO 14224, SAE JA1011 and SMRP best practice, and the practical methods used on site, with case studies from operations in the Gulf, Africa and worldwide. Available online, in the classroom in 60 cities, or in-house.

What participants will be able to do

- Explain the principles, terminology and scope of FMEA & Criticality Analysis
- Apply the relevant requirements of ISO 55001, ISO 14224, SAE JA1011 and SMRP best practice
- Use practical tools, checklists and calculations with confidence
- Recognise common problems, risks and root causes and choose the right corrective action
- Prepare an improvement plan for their own site or organisation

Who should attend

Designed for maintenance engineers, planners, reliability engineers and supervisors, new joiners and anyone who needs a solid grounding in the subject.

Course outline (5 days)

Day 1: Principles and terminology

Scope, key definitions and how FMEA & Criticality Analysis fits into daily operations

Day 2: Codes, standards and requirements

What ISO 55001, ISO 14224, SAE JA1011 and SMRP best practice require, and how to read them

Day 3: Methods, tools and calculations

Step-by-step methods, checklists and worked examples

Day 4: Operation, inspection and common problems

Typical failures, warning signs and what to do about them

Day 5: Case studies, workshop and assessment

Group exercise on real cases and a final knowledge check

What the 10-day edition adds

Day 6: Applied project, part 1 – Apply the week-one methods to a case from your organisation

Day 7: Data and digital tools – Software, spreadsheets and digital tools used in practice

Day 8: Lessons from incidents and audits – What investigations and audit findings teach

Day 9: Applied project, part 2 – Complete, test and refine your solution

Day 10: Presentations and final assessment – Present to the group and complete the final assessment

Fees (USD per participant)

Duration	Live online	Classroom	In-house
5 days	\$3,000	\$5,500	On quote
10 days	\$5,500	\$9,900	On quote

Fees include course material and certificate of completion; classroom fees include refreshments and lunch. In-house training is priced per group.

Dates and cities 2027–2030

Dates	City	Format	Duration	Fee
8–12 Mar 2027	Manchester	Classroom	5 days	\$5,500
16–27 Aug 2027	Johannesburg	Classroom	10 days	\$9,900
23–27 Aug 2027	Milan	Classroom	5 days	\$5,500
10–21 Oct 2027	Al Khobar	Classroom	10 days	\$9,900
15–19 Nov 2027	Online (live)	Online (live)	5 days	\$3,000
24–28 Jan 2028	Athens	Classroom	5 days	\$5,500
31 Jan – 11 Feb 2028	Amsterdam	Classroom	10 days	\$9,900
3–7 Apr 2028	Berlin	Classroom	5 days	\$5,500
14–25 Aug 2028	London	Classroom	10 days	\$9,900
27 Nov – 1 Dec 2028	Online (live)	Online (live)	5 days	\$3,000
26–30 Mar 2029	Cape Town	Classroom	5 days	\$5,500
2–13 Apr 2029	Kigali	Classroom	10 days	\$9,900
3–7 Jun 2029	Kuwait City	Classroom	5 days	\$5,500
22 Jul – 2 Aug 2029	Salalah	Classroom	10 days	\$9,900
22–26 Oct 2029	Online (live)	Online (live)	5 days	\$3,000
11–15 Mar 2030	Prague	Classroom	5 days	\$5,500
24 Mar – 4 Apr 2030	Manama	Classroom	10 days	\$9,900
15–19 Jul 2030	Stockholm	Classroom	5 days	\$5,500
14–25 Oct 2030	Beirut	Classroom	10 days	\$9,900
4–8 Nov 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/fmea-and-criticality-analysis/>

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