



Cable Selection, Jointing & Testing: Advanced Level

Electrical Engineering

QGT-ELE-135 | Advanced | 5 or 10 days | Online, classroom, in-house

Course overview

Cable Selection, Jointing & Testing: Advanced Level is an advanced programme for experienced practitioners in Cable Selection, Jointing & Testing. It covers the principles, the requirements of IEC, IEEE and NFPA 70/70E, 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 Cable Selection, Jointing & Testing
- Apply the relevant requirements of IEC, IEEE and NFPA 70/70E
- Apply advanced analysis methods to real operating data
- 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 electrical engineers, technicians, supervisors and authorised persons with at least three years of experience.

Course outline (5 days)

Day 1: Core principles revisited

Fast review and recent changes in IEC, IEEE and NFPA 70/70E

Day 2: Advanced analysis methods

Detailed techniques, data interpretation and calculations

Day 3: Design and performance optimisation

Improving reliability, efficiency and cost

Day 4: Troubleshooting complex cases

Diagnosing multi-cause problems from field data

Day 5: Risk, decisions and integration

Building a risk-based plan and presenting recommendations

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
12–23 Apr 2027	Kigali	Classroom	10 days	\$9,900
3–7 May 2027	Rome	Classroom	5 days	\$5,500
16–27 May 2027	Erbil	Classroom	10 days	\$9,900
19–23 Jul 2027	Dubai	Classroom	5 days	\$5,500
9–20 Aug 2027	Online (live)	Online (live)	10 days	\$5,500
21 Feb – 3 Mar 2028	Paris	Classroom	10 days	\$9,900
10–14 Apr 2028	Brussels	Classroom	5 days	\$5,500
26 Jun – 7 Jul 2028	Dubai	Classroom	10 days	\$9,900
18–22 Sep 2028	Baku	Classroom	5 days	\$5,500
25 Sep – 6 Oct 2028	Online (live)	Online (live)	10 days	\$5,500
29 Jan – 9 Feb 2029	Houston	Classroom	10 days	\$9,900
5–9 Feb 2029	Abu Dhabi	Classroom	5 days	\$5,500
21 May – 1 Jun 2029	Tbilisi	Classroom	10 days	\$9,900
25–29 Jun 2029	Vienna	Classroom	5 days	\$5,500
29 Oct – 9 Nov 2029	Online (live)	Online (live)	10 days	\$5,500
11–22 Mar 2030	Casablanca	Classroom	10 days	\$9,900
24–28 Jun 2030	Prague	Classroom	5 days	\$5,500
9–20 Sep 2030	Barcelona	Classroom	10 days	\$9,900
27–31 Oct 2030	Riyadh	Classroom	5 days	\$5,500
11–22 Nov 2030	Online (live)	Online (live)	10 days	\$5,500

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/cable-selection-jointing-and-testing-advanced-level/>

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