



Load Flow & Short Circuit Studies Masterclass

Electrical Engineering

QGT-ELE-181 | Masterclass | 5 or 10 days | Online, classroom, in-house

Course overview

Load Flow & Short Circuit Studies Masterclass is a senior-level masterclass on strategy and performance in Load Flow & Short Circuit Studies. 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 Load Flow & Short Circuit Studies
- Apply the relevant requirements of IEC, IEEE and NFPA 70/70E
- Use practical tools, checklists and calculations with confidence
- Recognise common problems, risks and root causes and choose the right corrective action
- Build a business case and roadmap their leadership team can act on

Who should attend

Designed for electrical engineers, technicians, supervisors and authorised persons in senior and leadership roles.

Course outline (5 days)

Day 1: Strategic view of Load Flow & Short Circuit Studies

Trends, regulation and what leading companies do differently

Day 2: Benchmarking and performance

KPIs, maturity models and gap analysis

Day 3: Lessons from major incidents and projects

Decision points that changed outcomes

Day 4: Leading the change

Building the business case, budget and team capability

Day 5: Masterclass forum

Expert panel, peer exchange and personal roadmap

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
11–15 Jan 2027	Geneva	Classroom	5 days	\$5,500
22 Feb – 5 Mar 2027	Dubai	Classroom	10 days	\$9,900
10–14 May 2027	Edinburgh	Classroom	5 days	\$5,500
14–25 Jun 2027	Barcelona	Classroom	10 days	\$9,900
23–27 Aug 2027	Online (live)	Online (live)	5 days	\$3,000
28 Feb – 3 Mar 2028	Bangkok	Classroom	5 days	\$5,500
22 May – 2 Jun 2028	Nairobi	Classroom	10 days	\$9,900
18–22 Jun 2028	Erbil	Classroom	5 days	\$5,500
24 Jul – 4 Aug 2028	Toronto	Classroom	10 days	\$9,900
4–8 Dec 2028	Online (live)	Online (live)	5 days	\$3,000
16–20 Apr 2029	Milan	Classroom	5 days	\$5,500
14–25 May 2029	Manchester	Classroom	10 days	\$9,900
16–20 Jul 2029	Tbilisi	Classroom	5 days	\$5,500
29 Oct – 9 Nov 2029	Cape Town	Classroom	10 days	\$9,900
19–23 Nov 2029	Online (live)	Online (live)	5 days	\$3,000
7–11 Jan 2030	Houston	Classroom	5 days	\$5,500
18 Feb – 1 Mar 2030	Beirut	Classroom	10 days	\$9,900
4–8 Mar 2030	Kuala Lumpur	Classroom	5 days	\$5,500
18–29 Mar 2030	Lisbon	Classroom	10 days	\$9,900
9–13 Sep 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/load-flow-and-short-circuit-studies-masterclass/>

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