Garnet
Garnet Global Training Center

GGT-MT-108

Metrology, Calibration & Testing

Electrical Calibration

المعايرة الكهربائية

Duration	Language	Formats	Hours	Level
5 or 10 days	**English or Arabic**	**Classroom, online, in-house**	**35 / 70**	**Intermediate (practitioner)**

Overview

Participants in Electrical Calibration practise the methods, tools and standards they need to perform reliably and solve problems on the job. Accurate measurement, calibration and laboratory competence for industry and regulators. It runs as a 5-day or 10-day program in English or Arabic, in classrooms in Dubai, Riyadh, Cairo, London, Istanbul and other cities, or live online, and can be delivered in-house.

What you will be able to do

- Apply the methods and standards of Electrical Calibration to real tasks.
- Share good practice with your team.
- Use the right tools, checks and calculations step by step.
- Diagnose common problems and identify root causes.
- Interpret data and results correctly and act on them.

Who should attend

Calibration and test lab staff, quality engineers, instrument technicians and lab managers. Practitioners with one to five years of experience benefit most.

Key topics

- Measurement principles
- Traceability and standards
- Uncertainty
- Calibration procedures
- ISO/IEC 17025 requirements
- Proficiency testing

Formats and fees

5-day classroom	**USD 4,750**
5-day online	**USD 2,950**
10-day classroom	**USD 8,950**
10-day online	**USD 5,450**
In-house	**Quotation per group**

Fees per participant, excluding VAT.

Register or ask

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Email: info@garnettrainings.com

Training: training@garnettrainings.com

Web: garnettrainings.com

Sharjah Publishing City Free Zone, Sharjah, UAE

Certificate

Participants who attend at least 90% of sessions and complete the final assessment receive a certificate of completion stating 35 contact hours (5-day) or 70 contact hours (10-day).

5-day outline

Day 1 Electrical Calibration: principles and standards
- ISO/IEC 17025 requirements
- Group discussion and peer review

Day 2 Methods and tools in practice
- Proficiency testing
- Measurement principles

Day 3 Diagnosis and problem solving
- Traceability and standards
- Measurement and reporting

Day 4 Quality, safety and documentation
- Uncertainty
- Hands-on workshop on a workplace challenge

Day 5 Workshop, assessment and action plan
- Calibration procedures
- Common mistakes and how to avoid them

10-day outline

Day 1 Electrical Calibration: principles and standards
- ISO/IEC 17025 requirements
- Group discussion and peer review

Day 2 Methods and tools in practice
- Proficiency testing
- Measurement principles

Day 3 Diagnosis and problem solving
- Traceability and standards
- Measurement and reporting

Day 4 Quality, safety and documentation
- Uncertainty
- Hands-on workshop on a workplace challenge

Day 5 Workshop, assessment and action plan
- Calibration procedures
- Common mistakes and how to avoid them

Day 6 Advanced techniques and specialist practice
- Complex cases in depth
- Regional and international case studies

Day 7 Digital tools, data and automation
- Analysis tools and software
- Using AI in this field

Day 8 Benchmarking against international practice
- Global performance benchmarks
- Checklists and templates to take away

Day 9 Capstone project
- Analyse a real challenge from your organisation
- Build the solution and implementation plan

Day 10 Presentations, final assessment and certificates
- Project presentations and review
- Final exam and certificate award

Schedule 2027–2030

Dates	Format	City	Language	Fee (USD)
3–14 May 2027	10-day classroom	Casablanca	Arabic	8,950
1–5 Aug 2027	5-day classroom	Cairo	Arabic	4,750
6–10 Sep 2027	5-day online	Live online	Arabic	2,950
17–21 Oct 2027	5-day classroom	Riyadh	English	4,750
7–11 Feb 2028	5-day classroom	Abu Dhabi	Arabic	4,750
18–29 Sep 2028	10-day online	Live online	Arabic	5,450
2–13 Oct 2028	10-day classroom	London	English	8,950
12–16 Nov 2028	5-day classroom	Cairo	Arabic	4,750
7–11 Jan 2029	5-day classroom	Riyadh	English	4,750
2–6 Jul 2029	5-day online	Live online	English	2,950

Dates	Format	City	Language	Fee (USD)
13–17 Aug 2029	5-day classroom	Dubai	Arabic	4,750
8–19 Oct 2029	10-day classroom	Kuala Lumpur	English	8,950
17–28 Mar 2030	10-day classroom	Muscat	Arabic	8,950
10–21 Jun 2030	10-day online	Live online	Arabic	5,450
14–18 Jul 2030	5-day classroom	Jeddah	English	4,750
2–6 Sep 2030	5-day classroom	Vienna	English	4,750

Customised and in-house versions of this course are available on request. garnettrainings.com/en/customise/