Garnet
Garnet Global Training Center

GGT-MT-111

Metrology, Calibration & Testing **Rare specialisation**

Torque & Force Calibration

معايرة العزم والقوة

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

Overview

Torque & Force Calibration turns established good practice into step-by-step methods that participants rehearse in exercises and then apply at work. 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 Torque & Force 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 Torque & Force Calibration: principles and standards
- Uncertainty
- Common mistakes and how to avoid them

Day 2 Methods and tools in practice
- Calibration procedures
- ISO/IEC 17025 requirements

Day 3 Diagnosis and problem solving
- Proficiency testing
- Regional and international case studies

Day 4 Quality, safety and documentation
- Measurement principles
- Checklists and templates to take away

Day 5 Workshop, assessment and action plan
- Traceability and standards
- Group discussion and peer review

10-day outline

Day 1 Torque & Force Calibration: principles and standards
- Uncertainty
- Common mistakes and how to avoid them

Day 2 Methods and tools in practice
- Calibration procedures
- ISO/IEC 17025 requirements

Day 3 Diagnosis and problem solving
- Proficiency testing
- Regional and international case studies

Day 4 Quality, safety and documentation
- Measurement principles
- Checklists and templates to take away

Day 5 Workshop, assessment and action plan
- Traceability and standards
- Group discussion and peer review

Day 6 Advanced techniques and specialist practice
- Complex cases in depth
- Measurement and reporting

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
- Hands-on workshop on a workplace challenge

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)
8–19 Feb 2027	10-day classroom	Abu Dhabi	Arabic	8,950
8–12 Mar 2027	5-day online	Live online	Arabic	2,950
3–7 Oct 2027	5-day classroom	Riyadh	Arabic	4,750
8–12 Nov 2027	5-day classroom	Kuala Lumpur	English	4,750
3–7 Apr 2028	5-day classroom	Abu Dhabi	English	4,750
8–19 May 2028	10-day online	Live online	English	5,450
2–6 Oct 2028	5-day classroom	London	English	4,750
10–21 Dec 2028	10-day classroom	Cairo	English	8,950
13–24 May 2029	10-day classroom	Riyadh	English	8,950

Dates	Format	City	Language	Fee (USD)
2–6 Jul 2029	5-day classroom	Paris	English	4,750
5–9 Aug 2029	5-day classroom	Kuwait City	Arabic	4,750
10–14 Sep 2029	5-day online	Live online	Arabic	2,950
18–22 Feb 2030	5-day classroom	Abu Dhabi	Arabic	4,750
1–12 Apr 2030	10-day online	Live online	English	5,450
9–13 Jun 2030	5-day classroom	Riyadh	Arabic	4,750
11–22 Nov 2030	10-day classroom	Dubai	English	8,950

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