Garnet
Garnet Global Training Center

GGT-MT-112

Metrology, Calibration & Testing **Rare specialisation**

Coordinate Measuring Machines (CMM)

آلات القياس الإحداثية (CMM)

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

Overview

Coordinate Measuring Machines (CMM) focuses on how the work is actually done: the methods, checks and decisions practitioners use every day, illustrated with real cases from the region. 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 Coordinate Measuring Machines (CMM) to real tasks.
- Diagnose common problems and identify root causes.
- Interpret data and results correctly and act on them.
- Follow safe, compliant and documented work practices.
- Avoid the mistakes that most often cause rework or failure.

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

WhatsApp: +971 56 674 7382

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 Coordinate Measuring Machines (CMM): principles and standards

- Proficiency testing
- Measurement and reporting

Day 2 Methods and tools in practice

- Measurement principles
- Traceability and standards

Day 3 Diagnosis and problem solving

- Uncertainty
- Hands-on workshop on a workplace challenge

Day 4 Quality, safety and documentation

- Calibration procedures
- Common mistakes and how to avoid them

Day 5 Workshop, assessment and action plan

- ISO/IEC 17025 requirements
- Regional and international case studies

10-day outline

Day 1 Coordinate Measuring Machines (CMM): principles and standards

- Proficiency testing
- Measurement and reporting

Day 2 Methods and tools in practice

- Measurement principles
- Traceability and standards

Day 3 Diagnosis and problem solving

- Uncertainty
- Hands-on workshop on a workplace challenge

Day 4 Quality, safety and documentation

- Calibration procedures
- Common mistakes and how to avoid them

Day 5 Workshop, assessment and action plan

- ISO/IEC 17025 requirements
- Regional and international case studies

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Checklists and templates to take away

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
- Group discussion and peer review

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 Mar 2027	10-day classroom	Casablanca	Arabic	8,950
21–25 Jun 2027	5-day classroom	Abu Dhabi	Arabic	4,750
12–16 Jul 2027	5-day online	Live online	Arabic	2,950
16–20 Aug 2027	5-day classroom	Dubai	Arabic	4,750
3–14 Jan 2028	10-day online	Live online	Arabic	5,450
7–11 Feb 2028	5-day classroom	Abu Dhabi	English	4,750
18–29 Sep 2028	10-day classroom	Dubai	English	8,950
4–8 Dec 2028	5-day classroom	Istanbul	English	4,750
1–5 Jan 2029	5-day classroom	Geneva	English	4,750

Dates	Format	City	Language	Fee (USD)
16–20 Apr 2029	5-day online	Live online	Arabic	2,950
17–28 Jun 2029	10-day classroom	Riyadh	Arabic	8,950
12–16 Aug 2029	5-day classroom	Doha	Arabic	4,750
11–15 Feb 2030	5-day classroom	Abu Dhabi	English	4,750
8–19 Apr 2030	10-day classroom	Istanbul	English	8,950
17–21 Jun 2030	5-day classroom	Vienna	English	4,750
16–27 Sep 2030	10-day online	Live online	Arabic	5,450

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