Garnet
Garnet Global Training Center

GGT-WN-131

Inspection, Welding & NDT **Rare specialisation**

Acoustic Emission Testing

الفحص بالانبعاث الصوتي

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

Overview

Participants in Acoustic Emission Testing practise the methods, tools and standards they need to perform reliably and solve problems on the job. Inspection and welding programs aligned with international codes, from technician to lead inspector. You can join a public session in one of 20 cities or live online, in English or Arabic, or bring the course in-house with examples from your own operations.

What you will be able to do

- Apply the methods and standards of Acoustic Emission Testing to real tasks.
- 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.
- Follow safe, compliant and documented work practices.

Who should attend

Inspectors, welding engineers and supervisors, NDT technicians and QA/QC staff. Practitioners with one to five years of experience benefit most.

Key topics

- Codes: ASME, API, AWS
- Welding processes and metallurgy
- NDT methods and acceptance criteria
- Inspection planning
- Defect assessment
- Reports and documentation

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 Acoustic Emission Testing: principles and standards

- Reports and documentation
- Group discussion and peer review

Day 2 Methods and tools in practice

- Codes: ASME, API, AWS
- Welding processes and metallurgy

Day 3 Diagnosis and problem solving

- NDT methods and acceptance criteria
- Measurement and reporting

Day 4 Quality, safety and documentation

- Inspection planning
- Hands-on workshop on a workplace challenge

Day 5 Workshop, assessment and action plan

- Defect assessment
- Common mistakes and how to avoid them

10-day outline

Day 1 Acoustic Emission Testing: principles and standards

- Reports and documentation
- Group discussion and peer review

Day 2 Methods and tools in practice

- Codes: ASME, API, AWS
- Welding processes and metallurgy

Day 3 Diagnosis and problem solving

- NDT methods and acceptance criteria
- Measurement and reporting

Day 4 Quality, safety and documentation

- Inspection planning
- Hands-on workshop on a workplace challenge

Day 5 Workshop, assessment and action plan

- Defect assessment
- 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)
15–19 Feb 2027	5-day classroom	Dubai	English	4,750
2–6 May 2027	5-day classroom	Kuwait City	English	4,750
20–24 Sep 2027	5-day online	Live online	Arabic	2,950
8–19 Nov 2027	10-day classroom	Paris	English	8,950
20–24 Mar 2028	5-day classroom	London	English	4,750
9–13 Jul 2028	5-day classroom	Muscat	English	4,750
13–24 Aug 2028	10-day classroom	Riyadh	English	8,950
11–22 Sep 2028	10-day online	Live online	English	5,450
19–23 Feb 2029	5-day classroom	London	English	4,750

Dates	Format	City	Language	Fee (USD)
4–8 Mar 2029	5-day classroom	Jeddah	Arabic	4,750
15–26 Apr 2029	10-day classroom	Manama	Arabic	8,950
17–21 Sep 2029	5-day online	Live online	Arabic	2,950
11–15 Feb 2030	5-day classroom	Dubai	English	4,750
11–15 Mar 2030	5-day classroom	Barcelona	English	4,750
15–26 Apr 2030	10-day online	Live online	Arabic	5,450
5–16 Aug 2030	10-day classroom	Kuala Lumpur	English	8,950

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