Garnet
Garnet Global Training Center

GGT-EI-112

Electrical, Instrumentation & Control

Arc Flash Hazard & Electrical Safety

مخاطر الوميض الكهربائي والسلامة الكهربائية

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

Overview

Arc Flash Hazard & Electrical Safety turns established good practice into step-by-step methods that participants rehearse in exercises and then apply at work. Power, protection and automation skills for plants, utilities and smart infrastructure. Choose 5 or 10 days, classroom or live online, English or Arabic; organisations can also run it in-house and adapt the examples to their own work.

What you will be able to do

- Apply the methods and standards of Arc Flash Hazard & Electrical Safety 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

Electrical, instrumentation and control engineers, technicians and maintenance leads. Practitioners with one to five years of experience benefit most.

Key topics

- Power system fundamentals and studies
- Protection, earthing and safety
- Control system architecture
- Field devices and loop checking
- IEC and IEEE standards
- Troubleshooting with real fault records

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 Arc Flash Hazard & Electrical Safety: principles and standards

- Power system fundamentals and studies
- Group discussion and peer review

Day 2 Methods and tools in practice

- Protection, earthing and safety
- Control system architecture

Day 3 Diagnosis and problem solving

- Field devices and loop checking
- Measurement and reporting

Day 4 Quality, safety and documentation

- IEC and IEEE standards
- Hands-on workshop on a workplace challenge

Day 5 Workshop, assessment and action plan

- Troubleshooting with real fault records
- Common mistakes and how to avoid them

10-day outline

Day 1 Arc Flash Hazard & Electrical Safety: principles and standards

- Power system fundamentals and studies
- Group discussion and peer review

Day 2 Methods and tools in practice

- Protection, earthing and safety
- Control system architecture

Day 3 Diagnosis and problem solving

- Field devices and loop checking
- Measurement and reporting

Day 4 Quality, safety and documentation

- IEC and IEEE standards
- Hands-on workshop on a workplace challenge

Day 5 Workshop, assessment and action plan

- Troubleshooting with real fault records
- 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 online	Live online	English	2,950
5–16 Apr 2027	10-day classroom	Singapore	English	8,950
1–5 Aug 2027	5-day classroom	Manama	Arabic	4,750
5–9 Dec 2027	5-day classroom	Kuwait City	Arabic	4,750
21–25 May 2028	5-day classroom	Muscat	Arabic	4,750
19–30 Jun 2028	10-day online	Live online	Arabic	5,450
10–14 Jul 2028	5-day classroom	Geneva	English	4,750
13–24 Nov 2028	10-day classroom	Dubai	English	8,950
18–22 Feb 2029	5-day classroom	Doha	Arabic	4,750

Dates	Format	City	Language	Fee (USD)
11–15 Jun 2029	5-day online	Live online	English	2,950
10–14 Sep 2029	5-day classroom	London	English	4,750
15–26 Oct 2029	10-day classroom	Dubai	Arabic	8,950
11–15 Feb 2030	5-day classroom	Dubai	Arabic	4,750
13–24 May 2030	10-day online	Live online	Arabic	5,450
21 Jul – 1 Aug 2030	10-day classroom	Manama	English	8,950
21–25 Oct 2030	5-day classroom	Istanbul	English	4,750

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