Garnet
Garnet Global Training Center

GGT-EV-101

Environmental Engineering & Waste Management

Environmental Engineering Fundamentals

أساسيات الهندسة البيئية

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

Overview

This course builds a solid base in Environmental Engineering Fundamentals, starting from first principles and moving quickly to the everyday tasks participants meet at work. Control air, water and soil impacts and manage waste from generation to disposal. 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

- Explain the key concepts, terms and standards of Environmental Engineering Fundamentals.
- Carry out basic tasks correctly using simple checklists and tools.
- Read and use the documents, forms and data common in this field.
- Know when to escalate and who to involve.
- Communicate confidently with specialists and colleagues.

Who should attend

Environmental engineers and officers, waste managers, regulators and consultants. No prior experience is required; it also suits new hires, graduates and staff moving into this field.

Key topics

- Environmental regulation
- Monitoring and sampling
- Treatment technologies
- Waste hierarchy
- Impact assessment
- Reporting and compliance

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 Introduction to Environmental Engineering Fundamentals
- Environmental regulation
- Common mistakes and how to avoid them

Day 2 Core concepts and terminology
- Monitoring and sampling
- Treatment technologies

Day 3 Basic methods and tools
- Waste hierarchy
- Regional and international case studies

Day 4 Working safely and correctly
- Impact assessment
- Checklists and templates to take away

Day 5 Practical exercises and review
- Reporting and compliance
- Group discussion and peer review

10-day outline

Day 1 Introduction to Environmental Engineering Fundamentals
- Environmental regulation
- Common mistakes and how to avoid them

Day 2 Core concepts and terminology
- Monitoring and sampling
- Treatment technologies

Day 3 Basic methods and tools
- Waste hierarchy
- Regional and international case studies

Day 4 Working safely and correctly
- Impact assessment
- Checklists and templates to take away

Day 5 Practical exercises and review
- Reporting and compliance
- 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)
15–19 Mar 2027	5-day online	Live online	Arabic	2,950
19–23 Sep 2027	5-day classroom	Riyadh	English	4,750
8–12 Nov 2027	5-day classroom	Barcelona	English	4,750
6–17 Dec 2027	10-day classroom	London	English	8,950
17–21 Jan 2028	5-day classroom	London	English	4,750
10–21 Apr 2028	10-day online	Live online	English	5,450
5–9 Jun 2028	5-day classroom	Barcelona	English	4,750
18–29 Sep 2028	10-day classroom	Istanbul	English	8,950
12–16 Feb 2029	5-day classroom	Kuala Lumpur	English	4,750

Dates	Format	City	Language	Fee (USD)
5–9 Mar 2029	5-day classroom	London	English	4,750
1–5 Oct 2029	5-day online	Live online	Arabic	2,950
18–29 Nov 2029	10-day classroom	Jeddah	English	8,950
11–22 Feb 2030	10-day online	Live online	English	5,450
19–23 May 2030	5-day classroom	Riyadh	Arabic	4,750
8–19 Sep 2030	10-day classroom	Kuwait City	Arabic	8,950
7–11 Oct 2030	5-day classroom	Kuala Lumpur	English	4,750

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