Garnet
Garnet Global Training Center

GGT-CV-111

Construction, Civil & Infrastructure

Bridge Design & Maintenance

تصميم الجسور وصيانتها

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

Overview

Bridge Design & Maintenance turns established good practice into step-by-step methods that participants rehearse in exercises and then apply at work. Design, construction and asset programs for buildings, roads, bridges and utilities. 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 Bridge Design & Maintenance to real tasks.
- 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.
- Share good practice with your team.

Who should attend

Civil and structural engineers, site managers, consultants and infrastructure owners. Practitioners with one to five years of experience benefit most.

Key topics

- Codes and specifications
- Materials and testing
- Site supervision and QA/QC
- Construction safety
- Quantity surveying and cost
- BIM and digital construction

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 Bridge Design & Maintenance: principles and standards

- BIM and digital construction
- Regional and international case studies

Day 2 Methods and tools in practice

- Codes and specifications
- Materials and testing

Day 3 Diagnosis and problem solving

- Site supervision and QA/QC
- Checklists and templates to take away

Day 4 Quality, safety and documentation

- Construction safety
- Group discussion and peer review

Day 5 Workshop, assessment and action plan

- Quantity surveying and cost
- Measurement and reporting

10-day outline

Day 1 Bridge Design & Maintenance: principles and standards

- BIM and digital construction
- Regional and international case studies

Day 2 Methods and tools in practice

- Codes and specifications
- Materials and testing

Day 3 Diagnosis and problem solving

- Site supervision and QA/QC
- Checklists and templates to take away

Day 4 Quality, safety and documentation

- Construction safety
- Group discussion and peer review

Day 5 Workshop, assessment and action plan

- Quantity surveying and cost
- Measurement and reporting

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Hands-on workshop on a workplace challenge

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
- Common mistakes and how to avoid them

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)
11–15 Jan 2027	5-day classroom	Singapore	English	4,750
1–5 Feb 2027	5-day online	Live online	Arabic	2,950
11–15 Jul 2027	5-day classroom	Muscat	English	4,750
1–12 Nov 2027	10-day classroom	Dubai	Arabic	8,950
13–17 Mar 2028	5-day classroom	Istanbul	English	4,750
14–25 May 2028	10-day classroom	Cairo	English	8,950
6–10 Aug 2028	5-day classroom	Doha	English	4,750
18–29 Sep 2028	10-day online	Live online	Arabic	5,450
5–9 Feb 2029	5-day classroom	Abu Dhabi	English	4,750

Dates	Format	City	Language	Fee (USD)
5–9 Mar 2029	5-day online	Live online	Arabic	2,950
6–10 Aug 2029	5-day classroom	Barcelona	English	4,750
8–19 Oct 2029	10-day classroom	Istanbul	English	8,950
11–15 Mar 2030	5-day classroom	Dubai	English	4,750
17–21 Jun 2030	5-day classroom	Geneva	English	4,750
15–26 Jul 2030	10-day classroom	London	English	8,950
19–30 Aug 2030	10-day online	Live online	English	5,450

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