Garnet
Garnet Global Training Center

GGT-CV-112

Construction, Civil & Infrastructure **Rare specialisation** **New from 2028**

Modular & 3D-Printed Construction

البناء المعياري والطباعة ثلاثية الأبعاد

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

Overview

Participants in Modular & 3D-Printed Construction practise the methods, tools and standards they need to perform reliably and solve problems on the job. Design, construction and asset programs for buildings, roads, bridges and utilities. 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 Modular & 3D-Printed Construction to real tasks.
- Follow safe, compliant and documented work practices.
- Avoid the mistakes that most often cause rework or failure.
- Share good practice with your team.
- Use the right tools, checks and calculations step by step.

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

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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 Modular & 3D-Printed Construction: principles and standards

- Materials and testing
- Checklists and templates to take away

Day 2 Methods and tools in practice

- Site supervision and QA/QC
- Construction safety

Day 3 Diagnosis and problem solving

- Quantity surveying and cost
- Group discussion and peer review

Day 4 Quality, safety and documentation

- BIM and digital construction
- Measurement and reporting

Day 5 Workshop, assessment and action plan

- Codes and specifications
- Hands-on workshop on a workplace challenge

10-day outline

Day 1 Modular & 3D-Printed Construction: principles and standards

- Materials and testing
- Checklists and templates to take away

Day 2 Methods and tools in practice

- Site supervision and QA/QC
- Construction safety

Day 3 Diagnosis and problem solving

- Quantity surveying and cost
- Group discussion and peer review

Day 4 Quality, safety and documentation

- BIM and digital construction
- Measurement and reporting

Day 5 Workshop, assessment and action plan

- Codes and specifications
- Hands-on workshop on a workplace challenge

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Common mistakes and how to avoid them

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
- Regional and international case studies

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)
6–17 Mar 2028	10-day classroom	Casablanca	Arabic	8,950
16–20 Apr 2028	5-day classroom	Manama	English	4,750
2–6 Oct 2028	5-day classroom	Kuala Lumpur	English	4,750
11–22 Dec 2028	10-day online	Live online	English	5,450
7–11 Jan 2029	5-day classroom	Kuwait City	Arabic	4,750
5–9 Feb 2029	5-day online	Live online	English	2,950
4–8 Jun 2029	5-day classroom	London	English	4,750
10–21 Sep 2029	10-day classroom	Barcelona	English	8,950
6–10 Jan 2030	5-day classroom	Jeddah	Arabic	4,750

Dates	Format	City	Language	Fee (USD)
1–12 Apr 2030	10-day classroom	Paris	English	8,950
1–12 Jul 2030	10-day online	Live online	Arabic	5,450
19–23 Aug 2030	5-day classroom	London	English	4,750

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