Garnet
Garnet Global Training Center

GGT-CV-114

Construction, Civil & Infrastructure

Steel Structures Design & Fabrication

تصميم وتصنيع المنشآت المعدنية

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

Overview

Steel Structures Design & Fabrication 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 Steel Structures Design & Fabrication to real tasks.
- Share good practice with your team.
- 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.

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 Steel Structures Design & Fabrication: principles and standards

- Site supervision and QA/QC
- Hands-on workshop on a workplace challenge

Day 2 Methods and tools in practice

- Construction safety
- Quantity surveying and cost

Day 3 Diagnosis and problem solving

- BIM and digital construction
- Common mistakes and how to avoid them

Day 4 Quality, safety and documentation

- Codes and specifications
- Regional and international case studies

Day 5 Workshop, assessment and action plan

- Materials and testing
- Checklists and templates to take away

10-day outline

Day 1 Steel Structures Design & Fabrication: principles and standards

- Site supervision and QA/QC
- Hands-on workshop on a workplace challenge

Day 2 Methods and tools in practice

- Construction safety
- Quantity surveying and cost

Day 3 Diagnosis and problem solving

- BIM and digital construction
- Common mistakes and how to avoid them

Day 4 Quality, safety and documentation

- Codes and specifications
- Regional and international case studies

Day 5 Workshop, assessment and action plan

- Materials and testing
- Checklists and templates to take away

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Group discussion and peer review

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
- Measurement and reporting

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)
5–9 Jul 2027	5-day classroom	Dubai	English	4,750
2–6 Aug 2027	5-day classroom	Casablanca	Arabic	4,750
6–17 Sep 2027	10-day classroom	London	English	8,950
20–24 Dec 2027	5-day online	Live online	Arabic	2,950
16–27 Jul 2028	10-day classroom	Manama	English	8,950
13–17 Aug 2028	5-day classroom	Riyadh	English	4,750
18–29 Sep 2028	10-day online	Live online	Arabic	5,450
9–13 Oct 2028	5-day classroom	Abu Dhabi	Arabic	4,750
21–25 Jan 2029	5-day classroom	Riyadh	Arabic	4,750

Dates	Format	City	Language	Fee (USD)
16–20 Jul 2029	5-day classroom	Kuala Lumpur	English	4,750
15–19 Oct 2029	5-day online	Live online	English	2,950
10–21 Dec 2029	10-day classroom	Dubai	English	8,950
10–14 Mar 2030	5-day classroom	Doha	English	4,750
13–17 May 2030	5-day classroom	Paris	English	4,750
17–28 Jun 2030	10-day classroom	London	English	8,950
11–22 Nov 2030	10-day online	Live online	Arabic	5,450

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