

**Construction, Civil & Infrastructure**

Steel Structures Design & Fabrication

تصميم وتصنيع المنشآت المعدنية

Duration

5 or 10 days

Language

English or Arabic

Formats

Classroom, online, in-house

Hours

35 / 70

Overview

Steel Structures Design & Fabrication is part of the Construction, Civil & Infrastructure track at Garnet Global Training Center. Design, construction and asset programs for buildings, roads, bridges and utilities. The course is taught in English or Arabic as a 5-day or 10-day program, in classrooms in cities such as Dubai, Riyadh, Cairo, London and Istanbul, or live online, and it can be delivered in-house with examples and exercises built around your own operations.

What you will be able to do

- Explain the principles, terminology and standards that govern Steel Structures Design & Fabrication.
- Apply proven methods and tools to real situations from your own workplace.
- Analyse performance gaps, risks and root causes, and choose the right response.
- Measure results with practical indicators and report them clearly to management.
- Leave with a personal action plan you can start using the following week.

Who should attend

Civil and structural engineers, site managers, consultants and infrastructure owners.

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: www.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 Foundations of Steel Structures Design & Fabrication

- Scope, terminology and governing standards
- Codes and specifications

Day 2 Methods and tools

- Materials and testing
- Site supervision and QA/QC

Day 3 Application and case studies

- Construction safety
- BIM and digital construction

Day 4 Performance, risk and compliance

- Quantity surveying and cost
- Measurement and reporting

Day 5 Workshop, assessment and action plan

- Hands-on workshop on a workplace challenge
- Final assessment and personal action plan

10-day outline

Day 1 Foundations of Steel Structures Design & Fabrication

- Scope, terminology and governing standards
- Codes and specifications

Day 2 Methods and tools

- Materials and testing
- Site supervision and QA/QC

Day 3 Application and case studies

- Construction safety
- BIM and digital construction

Day 4 Performance, risk and compliance

- Quantity surveying and cost
- Measurement and reporting

Day 5 Workshop, assessment and action plan

- Hands-on workshop on a workplace challenge
- Final assessment and personal action plan

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
- 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)
15–26 Feb 2027	10-day online	Live online	Arabic	5,450
19–23 Jul 2027	5-day classroom	Istanbul	English	4,750
15–19 Aug 2027	5-day classroom	Doha	English	4,750
13–24 Sep 2027	10-day classroom	London	English	8,950
6–10 Dec 2027	5-day online	Live online	Arabic	2,950
3–14 Apr 2028	10-day online	Live online	Arabic	5,450
16–27 Jul 2028	10-day classroom	Manama	English	8,950
7–11 Aug 2028	5-day classroom	Paris	English	4,750
18–22 Sep 2028	5-day online	Live online	Arabic	2,950

Dates	Format	City	Language	Fee (USD)
9–13 Oct 2028	5-day classroom	Abu Dhabi	Arabic	4,750
7–11 Jan 2029	5-day classroom	Muscat	English	4,750
21 May – 1 Jun 2029	10-day online	Live online	Arabic	5,450
9–13 Jul 2029	5-day classroom	Dubai	English	4,750
1–5 Oct 2029	5-day online	Live online	Arabic	2,950
17–28 Dec 2029	10-day classroom	Istanbul	English	8,950
3–7 Mar 2030	5-day classroom	Amman	Arabic	4,750
20–24 May 2030	5-day classroom	Singapore	English	4,750
10–21 Jun 2030	10-day classroom	Geneva	English	8,950
7–18 Oct 2030	10-day online	Live online	English	5,450
18–22 Nov 2030	5-day online	Live online	Arabic	2,950

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