



Seismic Design of Structures

Civil, Structural & Construction

QGT-CIV-117 | Foundation | 5 or 10 days | Online, classroom, in-house

Course overview

Seismic Design of Structures is an introduction that builds a solid working knowledge in Seismic Design of Structures. It covers the principles, the requirements of ACI, AISC, Eurocodes, IBC and local building codes, and the practical methods used on site, with case studies from operations in the Gulf, Africa and worldwide. Available online, in the classroom in 60 cities, or in-house.

What participants will be able to do

- Explain the principles, terminology and scope of Seismic Design of Structures
- Apply the relevant requirements of ACI, AISC, Eurocodes, IBC and local building codes
- Use practical tools, checklists and calculations with confidence
- Recognise common problems, risks and root causes and choose the right corrective action
- Prepare an improvement plan for their own site or organisation

Who should attend

Designed for civil and structural engineers, site engineers, consultants and inspectors, new joiners and anyone who needs a solid grounding in the subject.

Course outline (5 days)

Day 1: Principles and terminology

Scope, key definitions and how Seismic Design of Structures fits into daily operations

Day 2: Codes, standards and requirements

What ACI, AISC, Eurocodes, IBC and local building codes require, and how to read them

Day 3: Methods, tools and calculations

Step-by-step methods, checklists and worked examples

Day 4: Operation, inspection and common problems

Typical failures, warning signs and what to do about them

Day 5: Case studies, workshop and assessment

Group exercise on real cases and a final knowledge check

What the 10-day edition adds

Day 6: Applied project, part 1 – Apply the week-one methods to a case from your organisation

Day 7: Data and digital tools – Software, spreadsheets and digital tools used in practice

Day 8: Lessons from incidents and audits – What investigations and audit findings teach

Day 9: Applied project, part 2 – Complete, test and refine your solution

Day 10: Presentations and final assessment – Present to the group and complete the final assessment

Fees (USD per participant)

Duration	Live online	Classroom	In-house
5 days	\$3,000	\$5,500	On quote
10 days	\$5,500	\$9,900	On quote

Fees include course material and certificate of completion; classroom fees include refreshments and lunch. In-house training is priced per group.

Dates and cities 2027–2030

Dates	City	Format	Duration	Fee
8–12 Mar 2027	Johannesburg	Classroom	5 days	\$5,500
24 May – 4 Jun 2027	Kigali	Classroom	10 days	\$9,900
28 Jun – 2 Jul 2027	Luanda	Classroom	5 days	\$5,500
26 Jul – 6 Aug 2027	Amsterdam	Classroom	10 days	\$9,900
8–12 Nov 2027	Online (live)	Online (live)	5 days	\$3,000
17–21 Jan 2028	Marrakech	Classroom	5 days	\$5,500
6–17 Mar 2028	Rome	Classroom	10 days	\$9,900
15–19 May 2028	Berlin	Classroom	5 days	\$5,500
19–30 Jun 2028	Abu Dhabi	Classroom	10 days	\$9,900
2–6 Oct 2028	Online (live)	Online (live)	5 days	\$3,000
11–15 Feb 2029	Cairo	Classroom	5 days	\$5,500
4–15 Jun 2029	Copenhagen	Classroom	10 days	\$9,900
11–15 Jun 2029	Manchester	Classroom	5 days	\$5,500
16–27 Jul 2029	Casablanca	Classroom	10 days	\$9,900
5–9 Nov 2029	Online (live)	Online (live)	5 days	\$3,000
28 Apr – 2 May 2030	Salalah	Classroom	5 days	\$5,500
3–14 Jun 2030	Kuala Lumpur	Classroom	10 days	\$9,900
17–21 Jun 2030	Tbilisi	Classroom	5 days	\$5,500
24 Jun – 5 Jul 2030	Abu Dhabi	Classroom	10 days	\$9,900
26–30 Aug 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/seismic-design-of-structures/>

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