



Reinforced Concrete Design

Civil, Structural & Construction

QGT-CIV-101 | Foundation | 5 or 10 days | Online, classroom, in-house

Course overview

Reinforced Concrete Design is an introduction that builds a solid working knowledge in Reinforced Concrete Design. 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 Reinforced Concrete Design
- 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 Reinforced Concrete Design 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
10–14 Jan 2027	Al Khobar	Classroom	5 days	\$5,500
19–30 Apr 2027	Accra	Classroom	10 days	\$9,900
21–25 Jun 2027	Tunis	Classroom	5 days	\$5,500
23 Aug – 3 Sep 2027	Stockholm	Classroom	10 days	\$9,900
27 Sep – 1 Oct 2027	Online (live)	Online (live)	5 days	\$3,000
10–14 Jan 2028	Copenhagen	Classroom	5 days	\$5,500
16–27 Jan 2028	Alexandria	Classroom	10 days	\$9,900
17–21 Apr 2028	Zurich	Classroom	5 days	\$5,500
18–29 Sep 2028	Brussels	Classroom	10 days	\$9,900
23–27 Oct 2028	Online (live)	Online (live)	5 days	\$3,000
15–19 Apr 2029	Algiers	Classroom	5 days	\$5,500
22 Apr – 3 May 2029	Muscat	Classroom	10 days	\$9,900
14–18 May 2029	Bangkok	Classroom	5 days	\$5,500
30 Jul – 10 Aug 2029	Lisbon	Classroom	10 days	\$9,900
5–9 Nov 2029	Online (live)	Online (live)	5 days	\$3,000
11–15 Feb 2030	Barcelona	Classroom	5 days	\$5,500
29 Apr – 10 May 2030	Casablanca	Classroom	10 days	\$9,900
3–7 Jun 2030	Manchester	Classroom	5 days	\$5,500
17–28 Jun 2030	Toronto	Classroom	10 days	\$9,900
9–13 Sep 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/reinforced-concrete-design/>

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