



Foundation & Geotechnical Engineering: Advanced Level

Civil, Structural & Construction

QGT-CIV-124 | Advanced | 5 or 10 days | Online, classroom, in-house

Course overview

Foundation & Geotechnical Engineering: Advanced Level is an advanced programme for experienced practitioners in Foundation & Geotechnical Engineering. 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 Foundation & Geotechnical Engineering
- Apply the relevant requirements of ACI, AISC, Eurocodes, IBC and local building codes
- Apply advanced analysis methods to real operating data
- 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 with at least three years of experience.

Course outline (5 days)

Day 1: Core principles revisited

Fast review and recent changes in ACI, AISC, Eurocodes, IBC and local building codes

Day 2: Advanced analysis methods

Detailed techniques, data interpretation and calculations

Day 3: Design and performance optimisation

Improving reliability, efficiency and cost

Day 4: Troubleshooting complex cases

Diagnosing multi-cause problems from field data

Day 5: Risk, decisions and integration

Building a risk-based plan and presenting recommendations

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
11–22 Jan 2027	Abu Dhabi	Classroom	10 days	\$9,900
12–16 Apr 2027	Cape Town	Classroom	5 days	\$5,500
6–17 Jun 2027	Doha	Classroom	10 days	\$9,900
30 Aug – 3 Sep 2027	Houston	Classroom	5 days	\$5,500
18–29 Oct 2027	Online (live)	Online (live)	10 days	\$5,500
10–21 Apr 2028	Madrid	Classroom	10 days	\$9,900
24–28 Apr 2028	Dubai	Classroom	5 days	\$5,500
26 Jun – 7 Jul 2028	Copenhagen	Classroom	10 days	\$9,900
3–7 Sep 2028	Muscat	Classroom	5 days	\$5,500
25 Sep – 6 Oct 2028	Online (live)	Online (live)	10 days	\$5,500
11–22 Mar 2029	Al Khobar	Classroom	10 days	\$9,900
2–6 Jul 2029	Vienna	Classroom	5 days	\$5,500
5–16 Aug 2029	Jeddah	Classroom	10 days	\$9,900
12–16 Aug 2029	Amman	Classroom	5 days	\$5,500
8–19 Oct 2029	Online (live)	Online (live)	10 days	\$5,500
7–18 Jan 2030	Luanda	Classroom	10 days	\$9,900
27–31 Jan 2030	Algiers	Classroom	5 days	\$5,500
4–15 Feb 2030	Houston	Classroom	10 days	\$9,900
22–26 Apr 2030	Dubai	Classroom	5 days	\$5,500
27 May – 7 Jun 2030	Online (live)	Online (live)	10 days	\$5,500

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/foundation-and-geotechnical-engineering-advanced-level/>

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