



Road & Highway Engineering: Advanced Level

Civil, Structural & Construction

QGT-CIV-127 | Advanced | 5 or 10 days | Online, classroom, in-house

Course overview

Road & Highway Engineering: Advanced Level is an advanced programme for experienced practitioners in Road & Highway 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 Road & Highway 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
1–12 Feb 2027	Madrid	Classroom	10 days	\$9,900
21–25 Mar 2027	Kuwait City	Classroom	5 days	\$5,500
10–21 May 2027	Accra	Classroom	10 days	\$9,900
16–20 Aug 2027	Stockholm	Classroom	5 days	\$5,500
15–26 Nov 2027	Online (live)	Online (live)	10 days	\$5,500
19–30 Jun 2028	Houston	Classroom	10 days	\$9,900
9–13 Jul 2028	Jeddah	Classroom	5 days	\$5,500
7–18 Aug 2028	Abu Dhabi	Classroom	10 days	\$9,900
21–25 Aug 2028	Kuala Lumpur	Classroom	5 days	\$5,500
30 Oct – 10 Nov 2028	Online (live)	Online (live)	10 days	\$5,500
22 Jan – 2 Feb 2029	Istanbul	Classroom	10 days	\$9,900
6–10 Aug 2029	Frankfurt	Classroom	5 days	\$5,500
2–13 Sep 2029	Algiers	Classroom	10 days	\$9,900
29 Oct – 2 Nov 2029	Munich	Classroom	5 days	\$5,500
26 Nov – 7 Dec 2029	Online (live)	Online (live)	10 days	\$5,500
13–24 Jan 2030	Muscat	Classroom	10 days	\$9,900
28 Jan – 1 Feb 2030	Munich	Classroom	5 days	\$5,500
16–27 Sep 2030	Edinburgh	Classroom	10 days	\$9,900
7–11 Oct 2030	Tunis	Classroom	5 days	\$5,500
4–15 Nov 2030	Online (live)	Online (live)	10 days	\$5,500

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/road-and-highway-engineering-advanced-level/>

WhatsApp: +971 50 697 0908

Email: training@qimmatrainig.com

