



Road & Highway Engineering

Civil, Structural & Construction

QGT-CIV-106 | Foundation | 5 or 10 days | Online, classroom, in-house

Course overview

Road & Highway Engineering is an introduction that builds a solid working knowledge 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
- 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 Road & Highway Engineering 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
7–11 Mar 2027	Alexandria	Classroom	5 days	\$5,500
11–22 Apr 2027	Kuwait City	Classroom	10 days	\$9,900
5–9 Jul 2027	Tbilisi	Classroom	5 days	\$5,500
27 Sep – 8 Oct 2027	Milan	Classroom	10 days	\$9,900
25–29 Oct 2027	Online (live)	Online (live)	5 days	\$3,000
24–28 Jan 2028	Casablanca	Classroom	5 days	\$5,500
30 Jan – 10 Feb 2028	Sharm El Sheikh	Classroom	10 days	\$9,900
21–25 Feb 2028	Baku	Classroom	5 days	\$5,500
28 Feb – 10 Mar 2028	Munich	Classroom	10 days	\$9,900
17–21 Jul 2028	Online (live)	Online (live)	5 days	\$3,000
19–23 Feb 2029	Munich	Classroom	5 days	\$5,500
3–14 Jun 2029	Algiers	Classroom	10 days	\$9,900
27–31 Aug 2029	Toronto	Classroom	5 days	\$5,500
15–26 Oct 2029	Kuala Lumpur	Classroom	10 days	\$9,900
5–9 Nov 2029	Online (live)	Online (live)	5 days	\$3,000
4–8 Mar 2030	Accra	Classroom	5 days	\$5,500
10–21 Jun 2030	Geneva	Classroom	10 days	\$9,900
23–27 Jun 2030	Salalah	Classroom	5 days	\$5,500
3–14 Nov 2030	Kuwait City	Classroom	10 days	\$9,900
11–15 Nov 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

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

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