



Tunneling & Underground Construction

Civil, Structural & Construction

QGT-CIV-118 | Foundation | 5 or 10 days | Online, classroom, in-house

Course overview

Tunneling & Underground Construction is an introduction that builds a solid working knowledge in Tunneling & Underground Construction. 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 Tunneling & Underground Construction
- 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 Tunneling & Underground Construction 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	Budapest	Classroom	5 days	\$5,500
14–25 Jun 2027	London	Classroom	10 days	\$9,900
11–15 Jul 2027	Cairo	Classroom	5 days	\$5,500
19–30 Jul 2027	Manchester	Classroom	10 days	\$9,900
30 Aug – 3 Sep 2027	Online (live)	Online (live)	5 days	\$3,000
21–25 Feb 2028	Prague	Classroom	5 days	\$5,500
3–14 Apr 2028	Madrid	Classroom	10 days	\$9,900
20–24 Aug 2028	Erbil	Classroom	5 days	\$5,500
28 Aug – 8 Sep 2028	Stockholm	Classroom	10 days	\$9,900
16–20 Oct 2028	Online (live)	Online (live)	5 days	\$3,000
15–19 Jan 2029	Manchester	Classroom	5 days	\$5,500
12–23 Feb 2029	Munich	Classroom	10 days	\$9,900
2–6 Apr 2029	Madrid	Classroom	5 days	\$5,500
5–16 Nov 2029	Dublin	Classroom	10 days	\$9,900
26–30 Nov 2029	Online (live)	Online (live)	5 days	\$3,000
25 Feb – 1 Mar 2030	Manchester	Classroom	5 days	\$5,500
1–12 Apr 2030	Lisbon	Classroom	10 days	\$9,900
15–19 Jul 2030	Milan	Classroom	5 days	\$5,500
5–16 Aug 2030	Vienna	Classroom	10 days	\$9,900
4–8 Nov 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/tunneling-and-underground-construction/>

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