



# Repair & Rehabilitation of Concrete Structures: Advanced Level

## Civil, Structural & Construction

QGT-CIV-126 | Advanced | 5 or 10 days | Online, classroom, in-house

### Course overview

Repair & Rehabilitation of Concrete Structures: Advanced Level is an advanced programme for experienced practitioners in Repair & Rehabilitation of Concrete Structures. 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 Repair & Rehabilitation of Concrete Structures
- 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     |
|---------------------|---------------|---------------|----------|---------|
| 14–25 Feb 2027      | Riyadh        | Classroom     | 10 days  | \$9,900 |
| 15–19 Mar 2027      | Casablanca    | Classroom     | 5 days   | \$5,500 |
| 12–23 Apr 2027      | Copenhagen    | Classroom     | 10 days  | \$9,900 |
| 20–24 Sep 2027      | Lisbon        | Classroom     | 5 days   | \$5,500 |
| 22 Nov – 3 Dec 2027 | Online (live) | Online (live) | 10 days  | \$5,500 |
| 24 Apr – 5 May 2028 | Marrakech     | Classroom     | 10 days  | \$9,900 |
| 22–26 May 2028      | Edinburgh     | Classroom     | 5 days   | \$5,500 |
| 17–28 Jul 2028      | Beirut        | Classroom     | 10 days  | \$9,900 |
| 20–24 Aug 2028      | Riyadh        | Classroom     | 5 days   | \$5,500 |
| 18–29 Sep 2028      | Online (live) | Online (live) | 10 days  | \$5,500 |
| 21 Jan – 1 Feb 2029 | Kuwait City   | Classroom     | 10 days  | \$9,900 |
| 23–27 Apr 2029      | Johannesburg  | Classroom     | 5 days   | \$5,500 |
| 6–17 Aug 2029       | Singapore     | Classroom     | 10 days  | \$9,900 |
| 8–12 Oct 2029       | Rome          | Classroom     | 5 days   | \$5,500 |
| 22 Oct – 2 Nov 2029 | Online (live) | Online (live) | 10 days  | \$5,500 |
| 11–22 Feb 2030      | Milan         | Classroom     | 10 days  | \$9,900 |
| 25–29 Mar 2030      | Madrid        | Classroom     | 5 days   | \$5,500 |
| 26 Aug – 6 Sep 2030 | Johannesburg  | Classroom     | 10 days  | \$9,900 |
| 8–12 Sep 2030       | Cairo         | Classroom     | 5 days   | \$5,500 |
| 18–29 Nov 2030      | Online (live) | Online (live) | 10 days  | \$5,500 |

## How to register

### Register online or scan the code

<https://qimmatrainig.com/courses/repair-and-rehabilitation-of-concrete-structures-advanced-level/>

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