



Big Data & Data Science: Advanced Level

IT, Cybersecurity & AI

QGT-ITD-140 | Advanced | 5 or 10 days | Online, classroom, in-house

Course overview

Big Data & Data Science: Advanced Level is an advanced programme for experienced practitioners in Big Data & Data Science. It covers the principles, the requirements of ISO 27001, NIST CSF, ITIL 4 and COBIT 2019, 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 Big Data & Data Science
- Apply the relevant requirements of ISO 27001, NIST CSF, ITIL 4 and COBIT 2019
- 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 IT professionals, analysts, engineers and digital transformation teams with at least three years of experience.

Course outline (5 days)

Day 1: Core principles revisited

Fast review and recent changes in ISO 27001, NIST CSF, ITIL 4 and COBIT 2019

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
18–29 Jan 2027	Barcelona	Classroom	10 days	\$9,900
14–18 Feb 2027	Cairo	Classroom	5 days	\$5,500
12–23 Apr 2027	Marrakech	Classroom	10 days	\$9,900
17–21 May 2027	Singapore	Classroom	5 days	\$5,500
8–19 Nov 2027	Online (live)	Online (live)	10 days	\$5,500
10–21 Jan 2028	Marrakech	Classroom	10 days	\$9,900
30 Apr – 4 May 2028	Kuwait City	Classroom	5 days	\$5,500
24 Jul – 4 Aug 2028	Singapore	Classroom	10 days	\$9,900
8–12 Oct 2028	Jeddah	Classroom	5 days	\$5,500
23 Oct – 3 Nov 2028	Online (live)	Online (live)	10 days	\$5,500
5–16 Feb 2029	Amsterdam	Classroom	10 days	\$9,900
25–29 Mar 2029	Algiers	Classroom	5 days	\$5,500
9–20 Apr 2029	Kuala Lumpur	Classroom	10 days	\$9,900
15–19 Apr 2029	Jeddah	Classroom	5 days	\$5,500
25 Jun – 6 Jul 2029	Online (live)	Online (live)	10 days	\$5,500
8–19 Apr 2030	Beirut	Classroom	10 days	\$9,900
12–16 May 2030	Muscat	Classroom	5 days	\$5,500
8–19 Jul 2030	Baku	Classroom	10 days	\$9,900
20–24 Oct 2030	Algiers	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/big-data-and-data-science-advanced-level/>

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