



Python Programming for Engineers: Practical Workshop

IT, Cybersecurity & AI

QGT-ITD-156 | Practical workshop | 5 or 10 days | Online, classroom, in-house

Course overview

Python Programming for Engineers: Practical Workshop is a hands-on workshop built around exercises and real site problems in Python Programming for Engineers. 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 Python Programming for Engineers
- Apply the relevant requirements of ISO 27001, NIST CSF, ITIL 4 and COBIT 2019
- 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 IT professionals, analysts, engineers and digital transformation teams who want practice rather than theory.

Course outline (5 days)

Day 1: Workshop briefing and baseline

Participants bring a real problem from their own site

Day 2: Guided practice 1

Hands-on exercises using templates, checklists and calculators

Day 3: Guided practice 2

Simulations and role-play based on Python Programming for Engineers scenarios

Day 4: Field cases from the Gulf and Africa

Analysing what went wrong and what worked

Day 5: Action plan and peer review

Each participant leaves with a reviewed improvement plan

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
28 Jun – 2 Jul 2027	Istanbul	Classroom	5 days	\$5,500
26 Jul – 6 Aug 2027	Milan	Classroom	10 days	\$9,900
12–16 Sep 2027	Jeddah	Classroom	5 days	\$5,500
4–15 Oct 2027	Manchester	Classroom	10 days	\$9,900
11–15 Oct 2027	Online (live)	Online (live)	5 days	\$3,000
10–14 Apr 2028	Abu Dhabi	Classroom	5 days	\$5,500
8–19 May 2028	Cape Town	Classroom	10 days	\$9,900
15–19 May 2028	Dubai	Classroom	5 days	\$5,500
9–20 Jul 2028	Kuwait City	Classroom	10 days	\$9,900
13–17 Nov 2028	Online (live)	Online (live)	5 days	\$3,000
18–22 Mar 2029	Cairo	Classroom	5 days	\$5,500
25 Mar – 5 Apr 2029	Jeddah	Classroom	10 days	\$9,900
9–13 Apr 2029	Houston	Classroom	5 days	\$5,500
3–14 Sep 2029	Dubai	Classroom	10 days	\$9,900
15–19 Oct 2029	Online (live)	Online (live)	5 days	\$3,000
18–22 Feb 2030	Sharjah	Classroom	5 days	\$5,500
18–29 Mar 2030	Edinburgh	Classroom	10 days	\$9,900
20–24 May 2030	Kigali	Classroom	5 days	\$5,500
27 May – 7 Jun 2030	Amsterdam	Classroom	10 days	\$9,900
24–28 Jun 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/python-programming-for-engineers-practical-workshop/>

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