



Machine Learning with Python

IT, Cybersecurity & AI

QGT-ITD-103 | Foundation | 5 or 10 days | Online, classroom, in-house

Course overview

Machine Learning with Python is an introduction that builds a solid working knowledge in Machine Learning with Python. 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 Machine Learning with Python
- 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, 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 Machine Learning with Python fits into daily operations

Day 2: Codes, standards and requirements

What ISO 27001, NIST CSF, ITIL 4 and COBIT 2019 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
24–28 May 2027	Bangkok	Classroom	5 days	\$5,500
31 May – 11 Jun 2027	Brussels	Classroom	10 days	\$9,900
25–29 Jul 2027	Doha	Classroom	5 days	\$5,500
9–20 Aug 2027	Rome	Classroom	10 days	\$9,900
25–29 Oct 2027	Online (live)	Online (live)	5 days	\$3,000
10–14 Jan 2028	Kuala Lumpur	Classroom	5 days	\$5,500
21 Feb – 3 Mar 2028	Prague	Classroom	10 days	\$9,900
8–12 May 2028	Edinburgh	Classroom	5 days	\$5,500
11–22 Jun 2028	Alexandria	Classroom	10 days	\$9,900
4–8 Sep 2028	Online (live)	Online (live)	5 days	\$3,000
18–22 Feb 2029	Amman	Classroom	5 days	\$5,500
5–16 Mar 2029	Singapore	Classroom	10 days	\$9,900
12–16 Mar 2029	Edinburgh	Classroom	5 days	\$5,500
23 Jul – 3 Aug 2029	Manchester	Classroom	10 days	\$9,900
19–23 Nov 2029	Online (live)	Online (live)	5 days	\$3,000
14–18 Jan 2030	Sharjah	Classroom	5 days	\$5,500
11–22 Feb 2030	Rome	Classroom	10 days	\$9,900
6–10 May 2030	Lisbon	Classroom	5 days	\$5,500
13–24 May 2030	Berlin	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/machine-learning-with-python/>

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