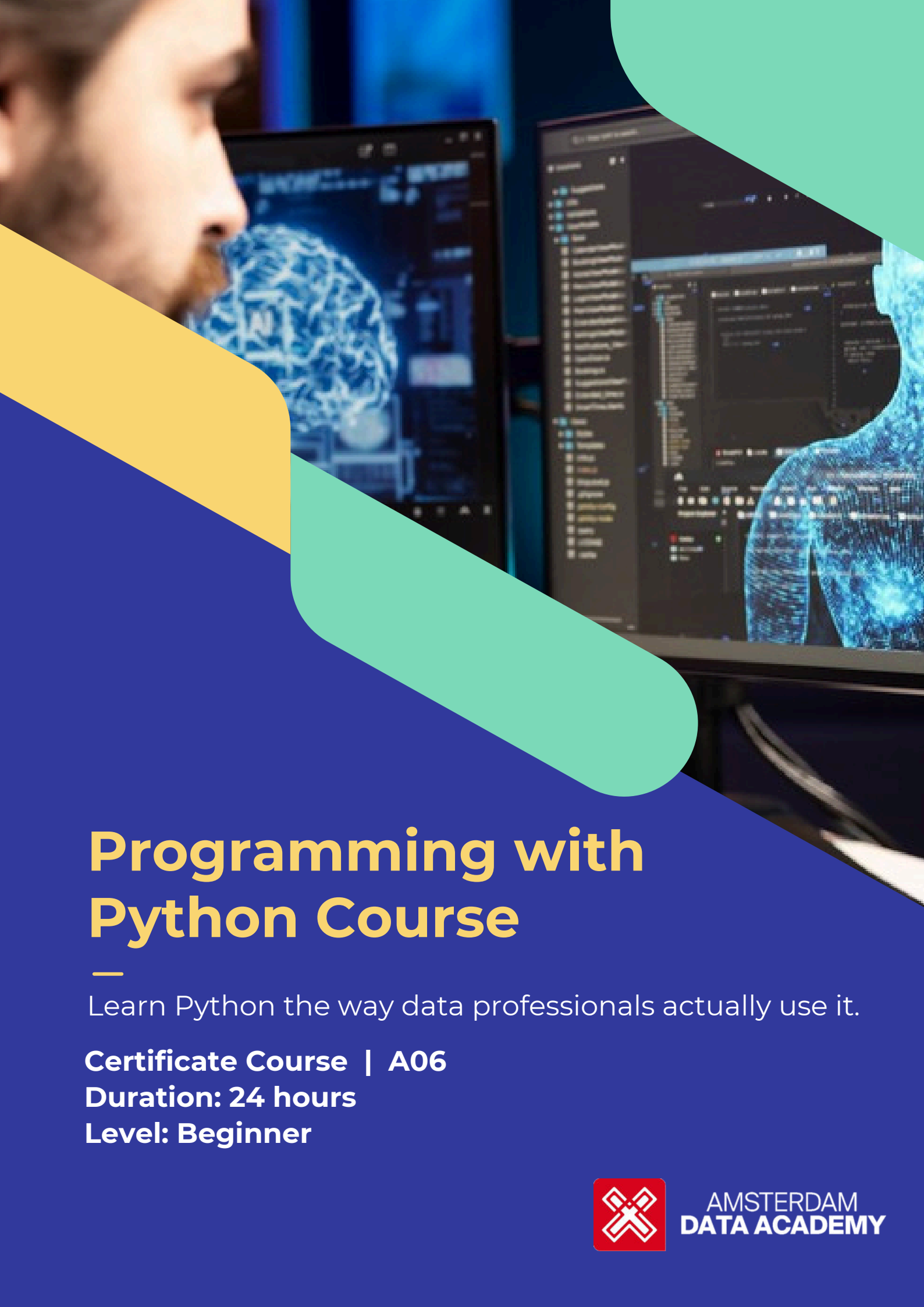




Programming with Python Course

—
Learn Python the way data professionals actually use it.

Certificate Course | A06

Duration: 24 hours

Level: Beginner



AMSTERDAM
DATA ACADEMY

WHAT YOU'LL LEARN

- Write clean, reproducible Python scripts from scratch
- Work with pandas and NumPy to analyse real datasets
- Create data visualisations with matplotlib and seaborn
- Structure analysis projects in Jupyter Notebooks
- Automate repetitive data tasks with Python
- Document your code so others (and future you) can understand it



COURSE CONTENT

Module 1 — Python Fundamentals

- Control flow: if/else, for loops, while loops
- Functions, modules, and error handling

Module 2 — Data Manipulation with pandas

- Filtering, sorting, groupby, and aggregation
- Merging, joining, and reshaping data

Module 3 — Data Visualisation

- Matplotlib and seaborn for charts and plots
- Telling stories with data using Python



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AFTER THIS COURSE

You'll deliver a complete data analysis notebook ready to share — and have the Python foundation needed for Machine Learning (A05), Deep Learning (A16), and Data Engineering.

OFFICIAL CERTIFICATE

This course leads to an official ADA certificate at NLQF level 6, the nationally recognised qualification framework equivalent to a bachelor's degree. Your certificate proves a verified, professional level of knowledge and skills — valued by employers across the Netherlands.

Ready for your next step?

Book a free study-advice call

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