

# Introduction to Python

## 2 day training course



## Course contents

This course will cover the following topics. Those marked with (\*) will be covered if time allows.

### Basic coding

- Python variables
- Testing conditions
- Printing and f-strings

### Visual Studio Code

- Installing extension
- Configuring settings
- Useful short-cuts

### Running and debugging

- The code runner extension
- Stepping through code
- Setting breakpoints

### Ranges and loops

- WHILE loops
- Breaking out of loops
- Ranges of numbers

### Working with modules

- Installing modules using PIP
- System modules (OS and SYS)
- Maths functions (MATH)

### Sequences

- Tuples versus lists
- Iterating over sequences
- Slicing sequences
- Joining and splitting

### Manipulating lists

- Adding/removing items
- Sorting lists
- Shallow and deep copies

### Files and folders

- Reading and writing
- Using WITH
- Looping over lines
- Looping over folders using GLOB

### Error handling (\*)

- The try clause
- Handling exceptions

### Working with data types (\*)

- Manipulating strings
- Numbers and Booleans
- The DATETIME module

## Pre-requisites for Introduction to Python course

You don't need to have had any programming experience to attend this course (particularly if you find creating formulae in Excel easy or enjoyed maths at school).

### Prices

Venue	Address	Price per place
<a href="#">London</a>	Landmark, 99 Bishopsgate, London EC2M 3XD	£1,425 per person + VAT
<a href="#">Manchester</a>	Holiday Inn, 25 Aytoun Street, Manchester M1 3AE	£1,050 per person + VAT
<a href="#">Online</a>	Your home or office!	£875 per person + VAT

### Scheduled Dates

Dates	Venue	Times	Price per place	Booking
Wed/Thu 29-30 April 2026	Online	09:30-16:30	£875 + VAT	<a href="#">Book this</a>
Thu/Fri 28-29 May 2026	Online	09:30-16:30	£875 + VAT	<a href="#">Book this</a>
Mon/Tue 29-30 June 2026	Online	09:30-16:30	£875 + VAT	<a href="#">Book this</a>
Thu/Fri 27-28 August 2026	Online	09:30-16:30	£875 + VAT	<a href="#">Book this</a>
Wed/Thu 30th Sep/1st October 2026	Online	09:30-16:30	£875 + VAT	<a href="#">Book this</a>

If you can't see the dates that you want, ask us about organizing a customized course at your office (we'll provide and set up the computers), or else an online course tailored to your needs.