

# Python Programming 2

**Category:** Developer

**Duration:** 16.00 hours (2 days)

**13.0 CPD Hours**

**Rating:** ★ 4.6 (5,878 reviews)

## Course Information

**Delivery Format:** Instructor Led - Online

## Course Overview

### Python Programming 2 Course Overview

The Python Programming 2 course comprises sessions dealing with advanced object orientation, iterators and generators, comprehensions, decorators, multithreading, functional programming, web services, and unit testing.

The delegate will learn how to exploit advanced features of the Python language to build complex and efficient applications.

Similarly, the course is targeted to closely follow the official Python Institute curriculum for certification.

Exercises and examples are used throughout the course to give practical hands-on experience with the techniques covered.

## About This Course

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## **Prerequisites & Entry Requirements**

### **General Prerequisites:**

## **Requirements**

Delegates should be able to build Python applications that exploit all fundamental elements of the language including variables and expressions, conditions and loops, functions, objects, and lists. This knowledge can be gained by attendance on the pre-requisite Python Programming 1 course.

# Learning Outcomes

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**Upon successful completion of this course, participants will be able to:**

## Course Objectives

This course aims to provide the delegate with the knowledge to be able to interpret, write, and troubleshoot complex Python applications exploiting inheritance and polymorphism, mixins, composition and aggregation, iterators, generators, decorators, comprehension, concurrency, functional programming, and RESTful web services.

## Additional Course Details

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Nexus Humans, Python Programming 2 training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the ITS Data Analytics course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

# Frequently Asked Questions

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## **Q: What delivery options are available for Python Programming 2?**

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
  - Traditional Instructor-Led Classroom Training (ILT)
  - On-site delivery at your offices anywhere in United Kingdom
  - Private dedicated courses customized for your team
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## **Q: How many CPD hours does this course provide?**

The 2-day Python Programming 2 course provides up to 13.0 CPD hours of structured learning. CPD certificates can be provided upon request.

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## **Q: What is the duration of the Python Programming 2 training?**

The training takes place over 2 day(s), with each day lasting approximately 16.00 hours including breaks for lunch and refreshments.

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## **Q: Do you provide corporate training for Python Programming 2?**

Yes, we provide corporate training, dedicated training, and closed classes for Python Programming 2. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

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## **Q: Why choose Nexus Human for Python Programming 2?**

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
  - National Training Partner of the Year (Ireland) - Multiple Years
  - Global Top 30 Instructor Awards (2012, 2019, 2021)
  - Tech Excellence Award Nominations
  - Learning Performance Institute (LPI) External Training Provider Sponsor 2024
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## Q: Are there any discount codes available?

Yes! Use discount code **PENPALS** when booking your Python Programming 2 training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

# Nexus Human

## Professional Training & Development

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