ITS Python

Category: Software Development & Programming | **Vendor:** Pearson

Duration: 24.00 hours (3 days) **19.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Mentored

Certification: ITS Python

Course Overview

The Python Certification course will explain the software programming basics using Python. As of the year 2022, Python is the most popular programming language because of its simple syntax and extensive, open-source library of modules. Python is commonly used for creating desktop and website applications in finance, business, and even social media like Instagram and Pinterest. No coding experience is required for this course. Through the programming skills and tools taught, the students will learn to solve complicated problems. After completing this course, they will be prepared for designing, coding, and debugging Python computer programs.

About This Course

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Who Should Attend

Designed to guide high school students and adults through their first coding experience. It is written for beginners, so you don't need any previous coding experience. However, it can also be helpful if you have computer programming experience but want to learn the syntax and basics of the Python programming language. After certification in this course, you will be prepared to practice and write Python programs.

Learning Outcomes

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

Upon successful completion of this course, students should be able to: Read, write, and modify a computer program in Python. Use branching and iteration to solve complex problems. Read and write to a file or console in Python. Understand Python syntax and structures. Troubleshoot and debug code. Use Python built-in modules

Detailed Course Outline

Lesson 1: Operations using Data Types and Operators

- Skill 1.1: Evaluate expressions to identify the data types that Python assigns to variables.
- Skill 1.2: Perform data and data type operations.
- Skill 1.3: Determine the sequence of execution based on operator precedence.
- Skill 1.4: Select operators to achieve the intended results.

Lesson 2: Flow Control with Decisions and Loops

- Skill 2.1: Construct and analyze code segments that use branching statements.
- Skill 2.2: Construct and analyze code segments that perform iteration.

Lesson 3: Input and Output Operations

- Skill 3.1: Construct and analyze code segments that perform file input and output operations.
- Skill 3.2: Construct and analyze code segments that perform console input and output operations.

Lesson 4: Code Documentation and Structure

- Skill 4.1: Document code segments.
- Skill 4.2: Construct and analyze code segments that include function definitions.

Lesson 5: Troubleshooting and Error Handling

- Skill 5.1: Analyze, detect, and fix code segments that have errors.
- Skill 5.2: Analyze and construct code segments that handle exceptions.
- Skill 5.3: Perform unit testing.

Lesson 6: Operations using Modules and Tools

- Skill 6.1: Perform basic operations by using built-in modules.
- Skill 6.2: Solve complex computing problems by using.

Additional Course Details

Nexus Humans ITS Python 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 Python 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

Q: What delivery options are available for ITS Python?

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

Q: What certification does this course prepare me for?

The ITS Python course helps prepare you for the ITS Python certification path.

Q: How many CPD hours does this course provide?

The 3-day ITS Python course provides up to 19.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the ITS Python training?

The training takes place over 3 day(s), with each day lasting approximately 24.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for ITS Python?

Yes, we provide corporate training, dedicated training, and closed classes for ITS Python. 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.

Q: Why choose Nexus Human for ITS Python?

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

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your ITS Python training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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