KnowledgePillars

(PCS) PYTHON CODING SPECIALIST

The new frontier of programming certifications.

What is PCS?

PCS is a globally recognized industry certification on Python programming, which grants coding specialists, software developers, and IT professionals the ability to assess their knowledge and get credentials for their programming skills.

The unique peculiarity of the PCS certification is the assessment modality, which consists of a real live coding environment, offering candidates the ability to write proper code and to perform tasks-based questions. This technology is called LITA (Live-in-the-Application) and Knowledge Pillars is one of the very few organizations able to provide this very advanced assessment solution.

What is Python?

Python is an interpreted, high-level, object-oriented general purpose programming language. It's one of the most popular programming languages on the planet.

Since its creation, Python has grown exponentially; it has become the most used coding language by far ranking 1st in the PYPL Index Popularity Rate.

Who is PCS for?

The Python Coding Specialist is the intermediate level of the Python certification journey. Students taking this exam have a very basic understanding of coding with Python and are generally college students at the very beginning of their programming career.

Successful candidates validate that they have the intermediate coding skills required to apply basic Python concepts and work alongside software teams to design and implement elegant solutions to complex and interesting problems.

| More than 12,000 Python Coding jobs posted on Indeed in 2021.

10 Skills You Verify With PCS Certification

Python Basic Concepts
Understand the difference between interpreter and compiler

Variables and Operators
Define, use and recognize various types of variables (integer, float, string).

Using Conditional Statements
Use logical operators in expressions and if, …else and …elif… conditional statements.

Using Loops
Learn to use the for…, while… and controlling loops and how to avoid infinite loops.

Create and use Functions and Generators
Pass parameters inside a function and return values. Use basic, recursive and lambda functions.

Python Data Structures
Define and use lists, strings, tuples, sets and dictionaries.

Using Modules and packages
Import, initialize, write and document modules. Create and distribute packages.

Classes, Objects and OOP
Define your classes/objects, superclasses and subclasses. Use single and multiple inheritance.

Respond to Events and Exceptions
Use hooks on Events and their libraries. handle errors and exceptions via the exception object.

I/O operations using Python
Open, read, stream and write files. Understand the difference between text and binary files.

> **The Python Coding Specialist certification replaces the need for python coding challenges during an interview. This certification proves that the individual can apply the neccesary skills to code Python.**
> - Alessandro Macri', CEO at Knowledge Pillars

Steps to get Certified:

1. **Find training that fits your needs.**
   Prepare with instructor-led training, books, e-learning, online courses and more. The Knowledge Pillars exam syllabus/outcomes are very generic, covering 90% of learning content available online.
2. **Be Prepared - Practice.**
   Everyone can achieve more with practice! Our live-in-app practice tests support test takers in preparing for the Knowledge Pillars certification exams. Learn more: knowledge-pillars.com/practice-tests/
3. **Know what to expect in the exam.**
   Check out the exam domain objectives at https://knowledge-pillars.com/python-coding-specialist/
4. **Take the test.**
   Flexible online proctoring solutions are available – A great advantage for remote learning environments. Find out more, visit: knowledge-pillars.com/exam-policies.

Exam Details:

Knowledge Pillars offer unique vendor-neutral certification exams performed live-in-the-app. This innovative technology is changing the future of skills validation. Test takers are asked to perform task-based activities which measure the capabilities and applied-skills of that individual, solving diverse problems and situations related to that certification exam domain, separating those candidates that 'know' from those who can 'do'.

Number of questions	Time limit	Passing score	Format
35	50 minutes	75%	Linear and In-App

Learn about the PCS certification at
knowledge-pillars.com/python-coding-specialist/
or e-mail us at: info@knowledge-pillars.com

100% Web-Based **Live-in-the-App** **Vendor-Neutral**