

Certified Software Developer Foundation (Python)



By obtaining GSDC Certifications, both current and aspiring software professionals can enhance their proficiency as members of software development teams and write sustainable code. Possessing a GSDC certificate enables individuals to apply a full-stack approach to actual software development projects.

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ABOUT CERTIFICATION

Python is a versatile programming language that is utilized for developing a wide range of products, including software, websites, data analysis, and task automation. Its dynamic properties make it a suitable choice for Rapid Application Development, and it can also serve as a scripting or "glue" language for connecting various components. Python features a straightforward syntax and easily readable code, making it an excellent language for beginners to learn.

OBJECTIVES

The objective of Cloud Tester Foundation certification includes a deep understanding of:

1. Apply industry-recognized cloud testing methodologies effectively.
2. Ensure the reliability, scalability, and security of cloud-based systems.
3. Excel in navigating the evolving landscape of cloud technology.
4. Unlock abundant career opportunities in the cloud testing domain.
5. Establish a reputation as a competent and skilled cloud tester.
6. Gain confidence in your ability to assess cloud-based solutions.
7. Enhance your understanding of cloud testing best practices.
8. Contribute to the successful delivery of cloud projects.

Our Accreditation:



The Global Skill Development Council (GSDC) is the leading third-party, Vendor neutral, international credentialing and certification organization. The Global Skill Development Council (GSDC) is proud to be ANSI Accredited Member. The American National Standards Institute (ANSI) is a private, non-profit organization that administers and coordinates the U.S. voluntary standards and conformity assessment system.

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COURSE SYLLABUS

1. Introduction to Python and Computer Programming

- Python Introduction
- Python for Computer Programming
- Let's start our Python adventure

2. Data Types, Variables, Basic Input-Output Operations, Basic Operators

- Python literals
- Operators - data manipulation tools
- Variables - data-shaped boxes

3. Boolean Values, Conditional Execution, Loops, Lists and List Processing, Logical and Bitwise Operations

- Making decisions in Python
- Python's loops
- Logic and bit operations in Python
- Lists - collections of data
- Sorting simple lists - the bubble sort algorithm
- Lists - some more details
- Lists in advanced applications

4. Functions, Tuples, Dictionaries, and Data Processing

- Writing functions in Python
- How functions communicate with their environment?
- Returning a result from a function
- Scopes in Python
- Tuples and dictionaries

5. Modules, Packages, String and List Methods, and Exceptions

- Using modules
- Some useful modules
- What is package?
- Errors - the programmer's daily bread
- The anatomy of exception
- Characters and strings vs. computers
- Python's nature of strings

- String methods
- Strings in action
- Four simple programs

6. The Object-Oriented Approach: Classes, Methods, Objects, and the Standard Objective Features; Exception Handling, and Working with Files

- Basic concepts of object programming
- A short journey from procedural to object approach
- Properties
- Methods
- Inheritance - one of object programming foundations
- Exceptions once again
- Generators and closures
- Processing files
- Working with real files



GSDC Technical Advisory Board :



The GSDC is the leading certification association which brings together innovative organizations and founding thought-leaders as Technical Advisors from over 40 countries to design curriculum on Blockchain, Devops, Six Sigma & Agile Certifications.

Our Future Information

Target Audience

GSDC Certification is for all those who want to prove they can apply their entry-level Java developer skills into real-life projects. Examples of typical job titles with 0-2 years of experience:

- Junior Software Developer
- Junior Software Engineer
- Junior Web Developer
- Junior Android Developer
- Junior Front-end Developer
- Junior Full-Stack Developer

Find out more online at

www.gsdccouncil.org

