



# Introduction to Python<sup>®</sup> Programming

## Course Description

Python is one of the most versatile and popular programming languages. Whether you are relatively new to programming or have been developing software for years, Python is an excellent language to add to your skill set. In this course, you will learn the fundamentals of programming in Python, and you will develop applications to demonstrate your grasp of the language.

## Course Objective

Participants will learn to develop simple command-line programs in Python.

## Prerequisite

Foundational knowledge of personal computer use and especially suitable for participants with at least six months experience programming in an object-oriented language.

## Certificate Of Attendance

Certificate Of Attendance will be awarded to participants completing the course achieving minimum 75% attendance.

## Who should attend this course

Participants looking to learn the Python programming language in preparation for using Python to develop web and desktop applications.

## Training Duration

Full-time: 3 Weekdays / 3 Sats  
Time : 9.00am to 6.00pm

## Course Fee

Course Fee : S\$650  
Regn Fee : S\$30

All Fees subject to GST 7%. Regn fee is waived for 3 or more sign-up.

We offer group discount for 3 or more sign-up.

3-7 pax	8 pax and above
S\$600	S\$550

Please contact our Customer Service Team @ 6333-4843 for more assistance.

**Course eligible for SDF training grant (Singapore Citizens & Singapore PRs). All SDF trainees must attempt an assessment (Open Book) on the last day of course.**

**Self-sponsored trainees may offset course fee using their SkillsFuture Credit Claim or/ & PSEA.**

## DETAILED COURSE OUTLINE

### 1. Setting Up Python and Developing a Simple Application

- Set Up the Development Environment
- Write Python Statements
- Create a Python Application
- Prevent Errors

## 2. Processing Simple Data Types

- Process Strings and Integers
- Process Decimals, Floats and Mixed Number Types

## 3. Processing Data Structures

- Process Ordered Data Structures
- Process Unordered Data Structures

## 4. Writing Conditional Statements and Loops in Python

- Write a Conditional Statement
- Write a Loop

## 5. Structuring Code for Reuse

- Define and Call a Function
- Define and Instantiate a Class
- Import and Use a Module

## 6. Writing Code to Process Files and Directories

- Write to a Text File
- Read from a Text File
- Get the Contents of a Directory
- Manage Files and Directories

## 7. Dealing with Exceptions

- Handle Exceptions
- Raise Exceptions



NICF - Introduction to Python Programming (SF)



### IT Enabler Consultancy Pte Ltd

(Co Reg No. 200211025Z)

35 Selegie Road #09-06 Parklane Shopping Mall S(188307) | Tel: 63334843 | Fax: 63334883  
URL : [www.ienabler.com.sg](http://www.ienabler.com.sg) | Email : [customerservice@ienabler.com.sg](mailto:customerservice@ienabler.com.sg)