

Program Outline:

Course Highlights

1. Beginner-Friendly Approach

No prior programming experience is required. Our course breaks down complex concepts into simple, easy-to-understand lessons.

2. Hands-On Learning

You'll engage in practical exercises and real-world projects, building a portfolio of mini projects to showcase your new skills.

3. Comprehensive Curriculum

Our curriculum covers everything from basic syntax to control structures, data handling, and an introduction to libraries.

4. Experienced Instructors

Learn from industry professionals with years of experience in programming and teaching, who are dedicated to helping you succeed.

5. Flexible Learning

With both in-person and online options, you can choose the learning style that best fits your schedule.

Course Curriculum

Session 1: Introduction to Python (2 Hours)

Overview of Python and its applications

Setting up the Python environment

Writing your first Python program

Session 2: Data Types and Variables (2 Hours)

Understanding different data types

Working with variables

Basic input and output operations

Session 3: Control Structures (2 Hours)

Conditional statements (if, elif, else)

Loops (for and while)

Practical exercises

Session 4: Functions and Modules (2 Hours)

Defining and calling functions

Using modules and libraries

Writing reusable code

Session 5: Data Collections (2 Hours)

Lists, tuples, and dictionaries

Basic operations on collections

Real-world examples

Session 6: Working with Files and Final Project (2 Hours)

Reading from and writing to files

Mini project: Building a simple application

Course review and next steps

Course Benefits (e.g. upskill, reskill, employment)

- **Practical Skills:** Develop coding skills applicable to real-world problems.
- **Career Opportunities:** Enhance your resume with a foundational programming skill.
- **Personal Growth:** Gain confidence in your ability to learn and use new technologies.

Enrolment Information

Course Schedule:

Date: 14 – 16 June 2023

Time: 9.00 am – 1.00 pm

Format: In-Person

Assessment Guidelines:

Overview

The assessment includes formative assessments to provide ongoing feedback and a summative assessment to gauge overall competency by the end of the course.

Assessment Outcomes

By the end of the course, learners should be able to:

1. Set up a write basic Python programs.
2. Understand and utilize fundamental data types and variables.
3. Implement control structures (conditional statements and loops) in Python.
4. Define and use functions and modules.
5. Work with data collections such as lists or dictionaries.
6. Perform basic file operations and develop a simple application.

Assessment Components

1. Formative Assessments
 - a. Quizzes (30%)
 - i. Short quizzes at the end of each session to assess understanding of the key concepts.
 - ii. Example: Multiple-choice questions, fill-in-the-blank, or short code snippets.
 - b. In-Class Exercises (30%)
 - iii. Hands-on exercises during each session to apply the concepts learned.
 - iv. Example: Writing a Python program to solve a specific problem or modify an existing code snippet.
2. Summative Assessments

- a. Mini-Projects (40%)
 - i. Create a simple database application that involves reading from and writing to files, utilizing data collections and performing simple search functions.
 - ii. Projects will be assessed based on functionality, code quality, and adherence to best practices.

Payment Terms and Refund Policy in Your Student Contract:

A student contract would be signed and emailed to you automatically when you enrol in a course with us. We advise that you understand the student contract fully before signing as it is legally-binding. In the event you did not receive the signed contract, please kindly approach any of our friendly administrators to re-send it to you.

Course Fees

Individual Subsidy

	Singapore Citizens (21 to 39 years old) & Permanent Residents (21 years old & above)	Singapore Citizens (40 years old & above)
Course fees		
Course fees after SkillsFuture subsidy		
9% GST (on full course fees)		
Nett Course Fee		
<i>Balance payable by SkillsFuture Credits*</i>		
Additional Subsidy		
*Singaporeans 25 years old & above can cover remaining fees with SkillsFuture Credits	NTUC UTAP members can receive up to 50% support for course fees after subsidy	Singaporeans 30 years old and below can cover remaining fees with PSEA

Withdrawal from your course

You are entitled refunds based on the below refund table:

% of the amount of fees	If Student's written notice of withdrawal is received:
[80%]	more than [30] days before the Course Commencement Date
[50%]	before, but not more than [30] days before the Course Commencement Date
[25%]	after, but not more than [7] days after the Course Commencement Date
[0%]	more than [7] days after the Course Commencement Date