

## Course duration

- 2 days

## Course Benefits

- Explore the fundamental Swift programming concepts, language structure, and the Swift programming syntax.
- Transform your thinking to leverage new concepts, such as optionals and protocols.
- Learn to use key language elements, such as strings and collections in Swift.
- Grasp how Swift supports modern application development using advanced features, such as built-in Unicode support and higher-order functions.

### Available Delivery Methods

#### Public Class

Public expert-led online training from the convenience of your home, office or anywhere with an internet connection. Guaranteed to run .

#### Private Class

Private classes are delivered for groups at your offices or a location of your choice.

## Course Outline

1. Swift Basics
  1. Swift Program Structure
  2. Swift Variables and Constants
  3. Swift Data Types
  4. Enums
2. Swift Operators and Control Flow
  1. Swift Operators
  2. Branching
  3. Loops
3. Functions, Classes, and Structs
  1. Functions
  2. Error Handling
  3. Object-Oriented Features
4. Collections
  1. Arrays

- 2. Sets
- 3. Dictionaries
- 5. Strings
  - 1. String Fundamentals
  - 2. Using Strings
  - 3. Substring
- 6. Functional Programming and Lazy Operations
  - 1. Functional Methods
  - 2. Lazy Operations
  - 3. Swifty Code

## Class Materials

Each student will receive a comprehensive set of materials, including course notes and all the class examples.

### Class Prerequisites

Experience in the following *would be useful* for this Apple Swift class:

- Some object-oriented programming experience is desired.