

*'A new programming language  
for iOS and OS X'*

Apple is in the process of introducing a completely new programming language — Swift — which will power development of iOS apps for years to come. If you want to develop iOS apps, now is a great time to learn Swift. You get in while the technology is still in its infancy, and can develop into an expert as it evolves. During this course, you will learn how to program in the Swift language.

#### Course language

This course is taught in the English language.

#### Target group

This course is specifically designed for programmers, coders and scriptwriters who want to learn to program in the Swift language.

#### Course description

During this course, you will learn the Swift language, a prerequisite for developing iOS apps. You will learn the basics of the language, including object oriented programming, but also be introduced to more powerful features like generics and functional programming. The teaching style is very hands-on, with practical programming exercises used to reinforce the study material.

You will also be introduced to the basics of Objective-C, which is the language used in most of the code libraries (frameworks) in iOS. The Foundation framework is particularly important, as it is a requirement in all iOS applications; you will spend quite some time working with this framework, handling basic types like numbers, strings, collections, and files.

Swift for App Development is a prerequisite training for the follow-up "iOS App Development", in which you will learn more about writing code to add a user interface to your apps.

#### Certificate

After the course you will receive a certificate of attendance.

#### Lesson material

Apple have published a thorough reference book on Swift. It is available free via the iBooks store. You will also be provided with a hard copy of this book.

#### Subjects description

- Data types
- Variables and Constants
- Optional Types
- Memory Management
- Loops
- Branching (if, case)
- Functions and Closures
- Classes, Structures, and Objects
- Methods and Properties
- Protocols
- Extensions
- Enumerated types
- Generic Programming
- Functional Programming
- The Foundation framework
- Working with Objective-C
- File handling



#### Apple Authorised Training Centre

College of MultiMedia is an Apple Authorised Training Centre, which means that we always work with certified Professionals.

#### Customized training

This training can also be made available as a customized training program. We can tailor make a program specifically designed for your companies needs and employees. Please contact us for more details.

#### Prerequisites

A Computer Science Degree is highly favored.

Good English skill (this course is taught in English).

Your own iOS device (or you can order one directly via CMM).

Prior knowledge of a scripting or program language (e.g. Java, JavaScript, C++, C#, PHP, ActionScript).

Additional time for self-study and homework will be a required during the duration of this course.

**Cursusduur:** 3 dagen

**Lestijden:** 10.00 -17.00 uur  
incl. koffie- en lunchpauze

**Kosten:** Zie de Apple cursussen prijslijst



**Authorised Training Centre**