



IACD Corporate Programmes

Introduction to App Development with SWIFT



Overview

This course is designed to help you build a solid foundation in programming fundamentals using Swift as the language. You'll get practical experience with the tools, techniques, and concepts needed to build a basic iOS app from scratch. You'll also learn user interface design principles, which are fundamental to programming and making great apps. Prior programming experience is not required for this course. If you have programming experience, you can move through the early lessons quickly as you continue to learn about software development tools, concepts, and best practices that go beyond programming fundamentals.

Swift is a powerful and intuitive programming language created by Apple for building apps. It makes programming easier, more flexible, and more fun. Swift is not only great for getting you started with coding, it's also super powerful.

Who should attend:

Anyone interested in developing mobile apps, for fun or as a freelancer. Or someone who wants to gain the background to become a professional, iOS App developer. Students who have studied App Development and not want to explore the iOS environment.

What you will learn:

Intro to App Development with Swift is designed to help you build a solid foundation in programming fundamentals using Swift as the language. Throughout this course, you'll get practical experience with the tools, techniques, and concepts needed to build a basic iOS app from scratch. You'll also learn user interface design principles, which are fundamental to programming and making great apps.

- The Swift Programming Language
- Xcode and other iOS Development Tools
- Building your first iOS application
- Testing and debugging iOS apps
- Creating Adaptive User Interfaces
- Multiple Options for Data Persistence

Key features of the programme:

Playgrounds.

Students learn programming concepts as they write code in playgrounds — an interactive coding environment that lets them experiment with code and see the results immediately.

Step-by-step instructions.

Detailed instructions with images and videos guide students through all the steps of building an app in Xcode.

Sample projects.

Using the included project files, students can try out certain parts of code without having to build an entire app from the beginning.

Study tools.

Students can check their understanding and apply what they've learned with review questions, key vocabulary, links to documentation and more.

On completion of the Programme you will;

- Have the ability to start designing and making your own apps
- Be able to work as a freelance developer or apply for app or software development positions
- Have gained specific knowledge related to designing and developing mobile apps for iOS
- Become familiar with iOS app development
- Adequate familiarity and knowledge to be able to take off on your own, and use the web to find code snippets that suite your on-demand needs.

Join us!

Programme 1: October 2021 (4 weeks)

Programme 2: November 2021 (4 weeks)

IACD: Virtual instructor lead sessions

Price: R4 950 per delegate (Team discounts apply).

Students who are studying or have recently graduated qualify for a 50% discount. T&Cs apply

Contact: info@iacd.io for more information

About us

The IACD is an Education company, solving the skills-gap and market shortage in cyber security and App Development through innovative education and training solutions for all levels of expertise. With an eye toward preparing the next generation of technology experts, the IACD creates a deep and powerful global network of knowledge that goes far IACD Corporate Programmes.

About Swift Swift is the powerful and intuitive programming language created by Apple for building apps. It makes programming easier, more flexible and more fun. Swift is not only great for getting you started with coding, it's also incredibly powerful. It's designed to scale from writing the simplest program, like "Hello, world!", to some of the world's most advanced software.

About Xcode Xcode is the Mac app used to build every other Mac app and every iOS app too. It has all the tools you need to create an amazing app experience. And it's available as a free download from the Mac App Store.



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