

ITLEO

Swift Basics Course

**Online
Beginner**

24 lessons, 2 lessons per week

We study the following technologies:



Jenkins



Selenium



Rest



Git



Python



Continuous Integration



Swift

More about the course:

This course is designed for those who dream of creating mobile applications for the iPhone or iPad. You will learn to program in Swift — Apple's official language — and work with Xcode, a tool used by professional iOS developers. The program focuses on practice: you will develop your own application for iOS step by step, understanding how the Apple mobile environment works from the inside.

Course program

Block 1: Swift Basics

- Syntax, variables, data types
- Operators, conditional constructs, loops
- Functions and scopes
- Collections: arrays, dictionaries, sets
- Block review

Block 2: OOP in Swift

- Classes, structures, inheritance
- Initializers, properties, methods
- Protocols and delegation
- Error handling, optionals
- MVC pattern basics

Block 3: Xcode and UI development

- Introduction to Xcode and project creation
- Storyboard and AutoLayout
- Introduction to SwiftUI: components, layout, interaction
- Linking the interface to the code (IBOutlet, IBAction)

Block 4: Working with iOS frameworks

- Foundation: working with dates, timers, file system
- UIKit: animations, table views (UITableView)
- Interaction with sensors and multimedia (AVKit, CoreMotion)
- Usage SwiftUI for dynamic interfaces

Block 5: Git and project preparation

- Working with Git in Xcode
- Creating and publishing a repository on GitHub
- Basic principles of team development
- Preparing the application for launch on iPhone
- Code review by the instructor

Block 6: Final project

- Developing a full-fledged application: calculator, to-do list or other
- Working with UI/UX
- Testing on a simulator and a real device
- Publishing as a case in a portfolio

Who is this course suitable for?

- For beginners with no programming experience
- For students who want to specialize in mobile development

- For those who want to create applications for Apple devices
- For enthusiasts who want to realize their own idea

What will be the outcome?

- Understanding Swift syntax and logic
- Ability to work in Xcode and create iOS UI
- A finished project in the portfolio
- Basic knowledge for further study of SwiftUI or UIKit
- Preparation for work as a Junior iOS Developer

Career prospects

After the course you will be able to apply for the position:

- **Junior iOS Developer**
- Average salary in Ukraine: \$700 – \$1500

The demand for native iOS developers is consistently high in the Ukrainian and international markets

Course bonuses

- English for IT professionals
- Technical interview preparation
- HR resume consultation
- Access to the ITLEO iOS developer community

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