



Advanced iPhone Application Development

Course ID: ITG-MOB-210

# ITG Software Engineering

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Advanced iPhone Application Development

ITG-MOB-120

## Course Overview:

This 2 day course is for advanced level development, covering IOS frameworks, How to use Blocks, threads, in depth storyboards, and customizing UI. This course will also cover integration with Twitter and iCloud.

## Prerequisites:

Basic iPhone development course.

## Who Should Attend this course?

Those who have an interest in advanced iPhone development.

## Topics:

<ul style="list-style-type: none"><li>• IOS Frameworks</li></ul>	<ul style="list-style-type: none"><li>• Using Blocks</li></ul>
<ul style="list-style-type: none"><li>• Threads &amp; Performance</li></ul>	<ul style="list-style-type: none"><li>• Storyboards</li></ul>
<ul style="list-style-type: none"><li>• Customizing UI</li></ul>	<ul style="list-style-type: none"><li>• Adding sound to your apps</li></ul>
<ul style="list-style-type: none"><li>• Integration with Twitter</li></ul>	<ul style="list-style-type: none"><li>• Integration with iCloud</li></ul>

## *Module 01: iOS Frameworks*

- Course Overview
- iOS Frameworks overview
- iOS 5 Features
- Using custom user locations in iOS simulator

## *Module 02: Using Blocks*

- Overview
- Introduction to Blocks
- When and Why?
- Using Blocks

## *Module 03: Threads & Performance*

- Introduction to Threads
- Simple multithreading
- Automatic reference counting
- Converting existing projects using ARC

## *Module 04: Using Storyboards*

- Overview
- Introduction to Storyboards
- Table views and beyond
- Converting existing projects using storyboards

*Module 05: How to customize the UI*

- Using UIKit & UIAppearance
- UI customization
- Customizing controls
- How to use custom text effects

*Module 06: Adding sound to your apps*

- Introducing audio frameworks
- Adding a background soundtrack
- Adding sound fx
- Background music from the user library

*Module 07: Integration with Twitter*

- Overview
- Twitter integration
- How to post a tweet
- Retrieving tweets from public timelines

*Module 08: Integration with iCloud*

- Overview
- iCloud integration
- Storing your app settings in iCloud
- Storing & Syncing documents