



## Android Programming

### **ANDROID PROGRAMMING TRAINING COURSE SYNOPSIS**

Android is Google's operating system for mobile devices. Using the Android SDK, developers can develop applications on the Android platform using the Java Programming language. In this course, participants will learn the various techniques to program their Android devices. This feature-packed course will show you how to get started in Android development, right from the start till deployment.

### **ANDROID TRAINING COURSE LENGTH AND TIME**

This class is 2 days long. Class time is 9:00 a.m.- 4:00 p.m. Breaks are scheduled throughout the day and lunch is typically scheduled 12-1. Students provide their own lunch.

### **WHAT YOU WILL LEARN IN THIS ANDROID TRAINING COURSE**

- Setting up the development environment using Eclipse
- Understanding Activities, Views, Intents, and Content Providers
- Building the UI of an Android Application
- Using the Notification Manager
- Using Google Maps
- Sending and receiving SMS messages
- Downloading files using HTTP GET and POST
- How to deploy Android applications

### **ANDROID - ENROLLMENT**

Please fill out our registration form and fax it to us at (312) 896-9094. Please contact our Client Care Department at (877) 819-2665 for additional savings on our bootcamp classes

### **LOCATIONS FOR THIS ANDROID TRAINING COURSE**

We have training centers in Atlanta, Chicago, Denver, San Diego and Washington DC. We also offer classes at a network of rental facilities. We offer private onsite training and instructor-led, live online training. If coming to a rental facility, please double-check the location of your class with our office to make sure you get to the right location.

### **PREREQUISITES FOR THIS ANDROID TRAINING COURSE**

Knowledge of basic programming and object-oriented programming concepts.

### **GOALS FOR THIS ANDROID TRAINING COURSE**

Sterling Ledet and Associates realizes the importance of education and we take pride in being able to offer you classes that are more custom fit to your needs. Call us at (770) 414-5007 if you have any special questions or e-mail us at [sales@ledet.com](mailto:sales@ledet.com).

# Android Programming

## **LESSON 1 - ANDROID PROGRAMMING**

Setting up the development environment using Eclipse  
Installing the ADT plug-in  
Configure the Android SDK

## **LESSON 2 - ANDROID PROGRAMMING**

Using the Android Emulator  
Configuring the emulator  
Tips and Tricks using the emulator

## **LESSON 3 - ANDROID PROGRAMMING**

Understanding Activities, Views, Intents, and Content Providers

## **LESSON 4 - ANDROID PROGRAMMING**

Building the UI of an Android Application

## **LESSON 5 - ANDROID PROGRAMMING**

Error Logging using the Eclipse IDE

## **LESSON 6 - ANDROID PROGRAMMING**

Using the Notification Manager

## **LESSON 7 - ANDROID PROGRAMMING**

Persisting data

## **LESSON 8 - ANDROID PROGRAMMING**

Using Google Maps

## **LESSON 9 - ANDROID PROGRAMMING**

Sending and receiving SMS messages

## **LESSON 10 - ANDROID PROGRAMMING**

Using the built-in camera

## **LESSON 11 - ANDROID PROGRAMMING**

Creating Services

## **LESSON 12 - ANDROID PROGRAMMING**

Downloading files using HTTP GET and POST

## **LESSON 13 - ANDROID PROGRAMMING**

Location based services using GPS and Cell ID

## **LESSON 14 - ANDROID PROGRAMMING**

How to deploy Android applications