# Android Application Development Training

Duration: **5 Day**

BILGINC IT Academy
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With Android phones being produced by all of the major phone manufacturers and with the addition of new tablet devices, it's no surprise that the Android platform is the fastest growing mobile development platform in the world. In this course, you will learn to develop Android applications using Java and the Eclipse development environment. You will learn basic application development including using the Android mobile camera, working with geolocation tools, and playing audio and video files.

## Prerequisites

There are no prerequisites for this course.

## Who Should Attend

- New and experienced application developers who wish to expand their toolset and specialize in developing Android apps for business, education, or personal use
- Developers seeking a career as an mobile applications developer
- Those new to mobile apps development
- Anyone who started building an app and needs help putting all the pieces together

## What You Will Learn

- Tools available to develop Android applications
- Android OS architecture
- Work with components on Android devices
- Use Android SDK and API tools to design effective and attractive apps for Android mobile devices
- Java language classes and objects built to work within the Android operating system
- Knowledge required to write compelling Android applications

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## Training Outline

**Module 1**

- Creating and Running Java Apps with Eclipse
- Data Types, Variables, and Operators
- Control Statements
- Methods
- Arrays
- Object-Oriented Java
- Inheritance and Interfaces
- Inner Classes

**Module 2**

- Introduction to Android
- Development Tools
- Creating Your First Application: Hello World
- Debugging and Profiling Android Applications
- The Application Life Cycle
- Working with Application Resources

**Module 3**

- User Interface: Fields, Buttons, and Labels
- User Interface: Selection Widgets
- User Interface: Lists
- User Interface: Containers
- User Interface: Progress Bars, Time Pickers, and Clocks
- Creating Menus and Messages

**Module 4**

- Filters and Intents
- Working with the Internet
- Working with Web Services
- Working with XML
- Audio and Video
- Animation
- The Built-In SQL Database

**Module 5**

- Working with the Built-In Camera
- Geolocation Services
- Working with Google Maps
- Working with the Browser