



GOOGLE CLOUD TRAINING

Google Advance Android Development Training Certification Course

Master advanced Android app development with Google's curriculum. Build complex, high-performance apps for the modern mobile ecosystem.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

Computer Pride | 1st Floor, ICEA Building, Kenyatta Avenue, Nairobi | www.computer-pride.co.ke

COURSE OVERVIEW

Elevate your Android development expertise with the Google Advance Android Development Training Certification Course. This intermediate-level program is meticulously designed for developers looking to master the intricacies of building high-performance, secure, and scalable Android applications. You will delve deep into core technologies such as Kotlin, advanced Jetpack libraries, and best practices for modern Android architecture, moving beyond foundational concepts to tackle complex development challenges.

Over the course of 2 intensive hours, you will gain hands-on experience in optimizing app performance, ensuring robust security, implementing sophisticated UI/UX, and integrating cutting-edge features. This certification is your gateway to developing production-ready applications that meet Google's stringent quality standards, providing you with a significant edge in the competitive mobile development landscape. Upon completion, you will not only possess a Google-recognized credential but also the practical skills needed to design, develop, and deploy advanced Android applications effectively.

Duration	2 hours
Level	Intermediate
Vendor	Google Cloud

COURSE CURRICULUM

01 Module 1: Advanced UI & User Experience

- Mastering Jetpack Compose for declarative UI
- Custom View Creation and Advanced Drawing
- Sophisticated Animations and Transitions
- Responsive UI for Various Screen Sizes and Devices
- Accessibility Best Practices in Android

02 Module 2: Data Management and Offline Capabilities

- Advanced Room Database Migrations and Schema Design
- DataStore for Preferences and Typed Data
- Efficient Network Handling with Retrofit and Kotlin Coroutines
- Implementing Robust Offline-first Architectures
- Background Data Synchronization with WorkManager

03 Module 3: Performance, Security & Testing

- App Performance Profiling and Optimization (CPU, Memory, Battery)
- Security Best Practices: Data Encryption, API Keys, and Secure Storage
- Comprehensive Unit Testing with JUnit and Mockito
- UI Testing with Espresso and UI Automator
- Dependency Injection with Hilt for Testability

04 Module 4: Integrating Advanced Google Services & APIs

- Leveraging Firebase for Realtime Database, Authentication, and Cloud Messaging
- Introduction to Machine Learning Kit (ML Kit) Integration
- Advanced Location Services and Geofencing
- Google Play Services and API Best Practices
- Deep Linking and App Actions

05 Module 5: App Architecture and Distribution

- Building Scalable Architectures (MVVM, MVI, Clean Architecture)
- Modularization for Large-Scale Projects
- App Bundles and Dynamic Feature Modules
- Google Play Console: Advanced Publishing and A/B Testing
- Continuous Integration/Continuous Deployment (CI/CD) for Android

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Senior Android Application Developer**
- > **Mobile Solutions Architect**
- > **Android Technical Lead**

FREQUENTLY ASKED QUESTIONS

Q: What specific foundational Android development knowledge and programming skills are prerequisite to excel in this Google Advance Android Development course?

To get the most out of this advanced course, participants should have a solid understanding of Kotlin programming, experience with fundamental Android app components (Activities, Fragments, Services), basic knowledge of Jetpack components (e.g., ViewModel, LiveData, Navigation), and familiarity with RESTful APIs and asynchronous programming concepts. This course is not for beginners.

Q: Will I gain practical, hands-on experience in building complex Android features such as custom views, advanced animations, or robust offline synchronization during this certification program?

Absolutely. This Google Advance Android Development course is heavily project-based, emphasizing practical application. You will actively engage in coding challenges and build components that incorporate custom views, advanced animations, secure data persistence with Room and DataStore, and efficient background processing for offline capabilities, preparing you to tackle real-world advanced app development scenarios.

Q: How does achieving this Google Advance Android Development certification specifically enhance my marketability for lead or architect roles, distinguishing me from developers with only fundamental Android certifications?

This advanced certification validates your mastery of sophisticated Android development concepts crucial for leadership roles. It demonstrates your ability to design scalable architectures, optimize app performance, implement robust security, integrate complex Google services, and lead development teams in building high-quality, production-ready applications. This level of expertise is highly sought after for Mobile Solutions Architect, Android Technical Lead, and Senior Android Application Developer positions, signifying a transition from simply building apps to architecting and owning complex mobile solutions.

ABOUT COMPUTER PRIDE

**East Africa's Premier IT Training Center**

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

Location

1st Flr, ICEA Building
Kenyatta Ave, Nairobi

Email

info@computer-pride.co.ke

Phone

+254 705 900 900

www.computer-pride.co.ke