



FORMATIONS DIPLÔMANTES DANS LES METIERS DU WEB

DIPLÔME MOBILE NATIVE APPLICATIONS DEVELOPER

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## Certification Mobile Native Apps Developer sur Android Platform

### 1 Android Application Fundamentals

- Android Operating System
  - Sandox
  - Permissions
  - Virtual Machine (VM)
- Core Framework Components
  - Components & Building Blocks
  - Intents and Filters
  - Activities
  - Services
  - Content providers
  - Processes and Threads
- Application resources
- Manifest File

### 2 Android Developer Tools (ADT)

- Eclipse ADT Bundle
  - Android SDK
- Android Studio
  - Creating a project
  - Android Studio Tips & Tricks
  - Layout Editor
  - Building Projects with Gradle
  - Debugging with Android Studio

### 3 User Interface

- Layouts
- Components

### 4 Building Activities

- Animation and Graphics
- Media and Camera
- Location and Sensors APIs
- Connectivity



### Pré-requis

bonnes connaissances dans la programmation en Java SE 7 / Eclipse

### Organisation

Durée : 40 jours

Horaire : 14.00 -18.00

Inscriptions : Entretien, CV

- Text and Input
- Data Storage
- Administration
- WebApps
- Best Practices

## 5 Workflow

- Managing Virtual Devices (AVDs)
- Using the Emulator
- Using Hardware Devices
- Managing Projects
- Building and Running
- Testing
- Debugging
- Publishing
- Support Library

## 6 Development

- Development Environment
- Building Applications
  - Creating a Project with Eclipse
  - Adding the Action Bar
  - Supporting Different Devices
  - Managing the Activity Lifecycle
  - Building a Dynamic UI Fragments
  - Saving data
  - Interacting with other Applications
  - Content Sharing
  - Multimedia Content
  - Graphics and Animation
  - Connectivity
  - User Info and Location
  - Wearables
- Best Practices