

Mobile Developer

Required Skills

Level 1

- Demonstrates competency with developing for the iOS and Android platforms.
- Demonstrates competency with Xcode, Java, and other common languages.
- Demonstrates competency with client side issues (i.e., basic web development, HTML, basic principles of user-experience design).
- Demonstrates competency with server side issues (i.e., PHP, MySQL, relational database management systems (RDBMS), and source control).
- Writes efficient and well-organized code.
- Illustrate portfolio of produced work.
- Communicates guiding principles behind the code.
- Detaches from traditional approaches to problem solving.

Level 2

- Demonstrates expertise with all issues listed for Level 1.
- Demonstrates competency with client side issues that include: web development, web mashups (e.g., Google maps).
- Demonstrates competency with platform-specific UX principles.
- Demonstrates competency with server side issues that include: MongoDB, NoSQL, and Node.js.

Level 3

- Develop native code on the client side for iOS and Android.
- Design programs that target specific weaknesses of existing apps.
- Demonstrate an expert understanding of platform-specific UX principles.
- Demonstrate server side knowledge of Enterprise Architecture Concepts and Systems Integration.

Level 4

- Develop code for cross-platform mobile frameworks (i.e., Xamarin, PhoneGap etc.).
- Design and build apps.
- Write code that is capable of being shared across platforms.
- Demonstrate competency with server side issues such as data synchronization techniques and polyglot programming techniques.

What courses should I take?

- ARTS 103 - VIST 270 - VIST 486
- ARTS 104 - VIST 271 - VIST 487
- VIST 170 - VIST 374
- VIST 201 - VIST 474

