



## School of Continuing Education & Workforce Development

# Short Term Certificate Programs

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## Mobile Application Certificate

**Program Overview:** The purpose of this program is to prepare students for entrepreneurship or positions as mobile application developers. Instruction will cover application development for Apple's iPhone/iPad Touch and Google's Android platforms. Topics will include programming, scripting, and the use of Software Development Kits (SDK) for each platform.

✓ **Foundations in Computer Information**

This course provides a foundation for understanding computer information systems and the information technology industry. Participants will learn the vocabulary and concepts of hardware/software, ethical issues and the career path options available.

✓ **Introduction to Java Programming Language**

This course provides a foundation for Java programming including syntax, its environment and its support for graphical user interface (GUI). Participants will gain an understanding of object oriented programming.

✓ **Android Application Development**

This course teaches methods for creating applications for the Android open source platform. The SDK (Software Development kit), Android architecture, activity lifecycle, and NUI (Natural User Interface) guidelines will be utilized. Students will be able to create simple applications for Android Mobile devices.

✓ **iPhone/iPod Application Development**

This class teaches methods for creating applications for the Apple iPhone/iPod platform. Apple's SDK (Software Development Kit) and API's (Application Programming Kits) will be utilized. Participants will be able to write simple iPhone/iPod applications.