

# Mobile Application Development Certificate

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## Overview

Mobile devices are the computers that we carry with us at all times. Our mobile devices are our source for news and entertainment, our method of getting around, the way we record experiences, and is our conduit to the rest of the world. However, we use this computer in different ways than we use any other computer. Our interactions with it are frequent, frequently interrupted, and becoming ever more necessary. Offered by the Department of Computer and Information Sciences, the **Certificate in Mobile Application Development** will introduce students to advanced concepts in application development for mobile devices. Students will learn to leverage the various novel components found in modern mobile devices such as sensors, wireless communication, and global navigation systems, to build applications that are aware of and act based on their environment. Students will learn to work in teams to design and implement complex applications and learn how to address challenges in hardware and user interfaces by incorporating software design and user-interaction design principles.

Programmers proficient in this area are in increasing demand.

**Campus Location:** Main

**Program Code:** ST-MAPD-CERT

## Undergraduate Contact Information

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Learn more about the undergraduate certificate in Mobile Application Development.

## Certificate Requirements

### Prerequisite Courses

Students desiring a Certificate in Mobile Application Development must have already completed the following courses:

Code	Title	Credit Hours
CIS 1068 or CIS 1968	Program Design and Abstraction Honors Program Design and Abstraction	4
CIS 1166 or CIS 1966	Mathematical Concepts in Computing I Honors Mathematical Concepts in Computing I	4
CIS 2168	Data Structures	4
<b>Total Credit Hours</b>		<b>12</b>

### Required Courses

Students desiring a Certificate in Mobile Application Development must complete the following courses:

Code	Title	Credit Hours
CIS 3515	Introduction to Mobile Application Development	4
CIS 4515	Advanced Mobile Application Development	4
Select one of the following:		3-4
CIS 2109	Database Management Systems	
CIS 3374	Quality Assurance & Testing	

CIS 3603	User Experience Design
CIS 4331	Principles of Database Systems

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**Total Credit Hours**

**11-12**

**Residency Requirements:** At least 2 courses required for the certificate must be completed at Temple.