



Course Outcome Summary

Required Program Core Course

CIS 183 – Mobile App Development

Course Information

Division	Business
Contact Hours	4
Total Credits	4

Prerequisites **CIS 150**

Course Description

This course covers the design, implementation, and development of mobile applications for different phone environments. Students will have the chance to work with different integrated development environments and other tools to create fully functioning mobile applications. This course will also look at cross-platform development tools to produce applications to run across multiple phone environments.

This course is a required core course for students pursuing an Associate of Applied Science in Computer Science, App Development, and Game Design and Development

Program Outcomes Addressed by this Course:

Upon successful completion of this course, students should be able to meet the program outcomes listed below:

- A. Demonstrate and utilize necessary technical knowledge and skills both in breadth and depth, to pursue the practice or advanced study of computer science.
- B. Understand the importance of life-long learning, and be prepared to learn and understand new technological developments in their field.
- C. Understand the ethical and technical context of their computer science contributions and their obligations therein.

Course Outcomes

In order to evidence success in this course, the students will be able to:

1. Create a fully functioning mobile application for a mobile phone platform while implementing abstract datatypes.
 - A. Demonstrate and utilize necessary technical knowledge and skills both in breadth and depth, to pursue the practice or advanced study of computer science.
2. Create a fully functioning mobile application for multiple phone platforms while understanding how design and implementation differ between these platforms and your application.
 - B. Understand the importance of life-long learning, and be prepared to learn and understand new technological developments in their field
3. Create a database to connect with a fully functioning mobile application, demonstrating the advantages of using object oriented programming.
 - B. Understand the importance of life-long learning, and be prepared to learn and understand new technological developments in their field
4. Incorporate mobile phone specific features while understanding the importance of security when working with these technologies.
 - C. Understand the ethical and technical context of their computer science contributions and their obligations therein.

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