



### Course Information

Division	Business
Contact Hours	3
Total Credits	3

**Prerequisites** CIS 150 (Computer Science I)

### Course Description

This course covers the design, implementation and publishing of apps for the Android platform. Android applications will be designed and created using Java or other programming languages. Students will work with integrated development environments and other tools to create and test complete apps.

**This course is a required core course for students pursuing an AAS in App 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 class that describes and implements an abstract data type in computer science.
  - 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. Demonstrate the advantages of using object oriented programming for program development.
  - B. Understand the importance of life-long learning, and be prepared to learn and understand new technological developments in their field.
3. Demonstrate some of the methods used to secure data and communications.
  - C. Understand the ethical and technical context of their computer science contributions and their obligations therein.

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