



Course Outcome Summary

Required Program Core Course

CIS 153 Desktop App Development

Course Information

Division	Business
Contact Hours	3
Total Credits	3

Prerequisites	CIS 150 (Computer Science I)
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Course Description

This course focuses on the development of computer applications (Apps) that feature controls and user interface elements required by today's desktop environments. Students will utilize the C# language in an integrated development environment (IDE"), and other tools, to design, document, implement and test a variety of desktop 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.
- D. Develop the communication, teamwork, and leadership skills necessary to function productively and professionally.

Course Outcomes

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

1. Demonstrate the use of an IDE to create and test a desktop app.
 - 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 how to use the tools provided by a modern IDE for App development.
 - B. Understand the importance of life-long learning, and be prepared to learn and understand new technological developments in their field.
3. Demonstrate how to create robust and secure apps.
 - C. Understand the ethical and technical context of their computer science contributions and their obligations therein.
4. Create a desktop app as part of a development team.
 - D. Develop communication, teamwork, and leadership skills necessary to function productively and professionally.

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By: Zackary Moore