



Course Outcome Summary

Required Program Core Course

CIS 212 – Full Stack Development

Course Information

Division	Business
Contact Hours	3
Total Credits	3

Prerequisites **CIS 150**

Course Description

This course will cover the design, implementation, and development of full stack applications. Students will have the chance to create full stack applications focusing on database creation, graphical user interface, user experience, and user interaction. This course will look at all of the different technologies used to create full stack applications, for both front-end development and back-end development.

This course is a required core course for students pursuing an Associate of Applied Science in Computer Science and 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 fully functioning application with both a front-end for the end user as well as a back-end for the applications persistent data.
 - 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 database to connect to our application discussing how this application and database can scale to accommodate more end users.
 - B. Understand the importance of life-long learning, and be prepared to learn and understand new technological developments in their field
3. Create a fully functioning application to connect to a database while discussing the importance of information security as it pertains to the end users data being stored in our database.
 - C. Understand the ethical and technical context of their computer science contributions and their obligations therein.



MONROE COUNTY
COMMUNITY COLLEGE

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By: Zackary Moore