



Course Outcome Summary

Required Program Core Course

CIS112 Database Software

Course Information

Division	Business
Contact Hours	3
Total Credits	3

Prerequisites RDG090 and ENGL090 or qualifying scores on accepted placement tests

Course Description

This course familiarizes students with the basic models and capabilities of standard database management systems. Students will have hands-on experience in creating and using databases on a microcomputer. Skills will be obtained primarily through the use of a common database software package.

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. Identify relational database elements.
 - 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 fields, records, and tables inside of a database.
 - A. Demonstrate and utilize necessary technical knowledge and skills both in breadth and depth, to pursue the practice or advanced study of computer science.
3. Read fields, records, and tables inside of a database.
 - A. Demonstrate and utilize necessary technical knowledge and skills both in breadth and depth, to pursue the practice or advanced study of computer science.
4. Update fields, records, and tables inside of a database.
 - A. Demonstrate and utilize necessary technical knowledge and skills both in breadth and depth, to pursue the practice or advanced study of computer science.
5. Delete fields, records, and tables inside of a database.
 - A. Demonstrate and utilize necessary technical knowledge and skills both in breadth and depth, to pursue the practice or advanced study of computer science.
6. Understand table design concepts
 - B. Understand the importance of life-long learning, and be prepared to learn and understand new technological developments in their field.



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COMMUNITY COLLEGE

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7. Understand guidelines for entering data into tables.
 - C. Understand the ethical and technical context of their computer science contributions and their obligations therein.
8. Design and create forms.
 - A. Demonstrate and utilize necessary technical knowledge and skills both in breadth and depth, to pursue the practice or advanced study of computer science.
9. Design and create reports.
 - A. Demonstrate and utilize necessary technical knowledge and skills both in breadth and depth, to pursue the practice or advanced study of computer science.
10. Understand and define relationships between tables inside of a database.
 - A. Demonstrate and utilize necessary technical knowledge and skills both in breadth and depth, to pursue the practice or advanced study of computer science.
11. Understand and create queries.
 - A. Demonstrate and utilize necessary technical knowledge and skills both in breadth and depth, to pursue the practice or advanced study of computer science.
12. Create and use macros.
 - A. Demonstrate and utilize necessary technical knowledge and skills both in breadth and depth, to pursue the practice or advanced study of computer science.

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