



CIS 272: Program Development Seminar

Students learn to analyze difficult programming problems and develop traditional or web-based solutions for them. The course deals with sophisticated concepts of logic, program development, and data structures. It also covers the programming life cycle and the concepts applicable to the development of standard and web-based solutions. Students develop and implement individual programming projects using the languages they have learned. Two prerequisites or one pre and one co-requisite from the following: CIS 250, CIS 255, CIS 256, CIS 257, CIS 258 or permission of the instructor. Three class hours a week. Instructional Support Fee applies. Gen. Ed. Competencies Met: Information Literacy.

Course Student Learning Outcomes

1. Analyze complex problems and code appropriate solutions that successfully consider business goals and effective user interaction.
2. Integrate advanced programming techniques, advanced data handling and manipulation into a series of programs that demonstrates the programming skills they have acquired.
3. Effectively explore areas of programming that have not been covered in class and integrate their findings into projects they develop.
4. Present an online portfolio of their work that can also be used in job searches.

Credits: 3

Program: Computer Information Systems