

CIT 228 - ADVANCED DATABASE SYSTEMS

Course Description

This course builds upon database knowledge gained in CIT178 by extending into other data sources and connection technologies. Students will be able to identify and evaluate data options and access data via code. Course content is mapped to the Certiport Information Technology Specialist - Python learning objectives, and students enrolled in this course will take the certification exam. Group 2 course.

Credit Hours

3

Contact Hours

4

Lecture Hours

2

Lab Hours

2

Required Prerequisites

CIT 110, CIT 180 and either CIT 178 or CIT 248, all with a grade of 2.0 or higher.

General Education Outcomes supported by this course

Critical Thinking - Direct

Course Learning Outcomes

Knowledge:

- Describe how to connect and update data files through code.

Application:

- Use scripts to modify data files.

Integration:

- Use scripting languages to code a series of complex tasks.

Human Dimension:

- Give and receive feedback in an appropriate manner.

Caring - Civic Learning:

- Describe security problems with modifying files in server-side web programming.

Learning How to Learn:

- Engage in self-directed learning.