Course Description:

Incorporates a working introduction to commands, functions, and operators used in SQL for extracting data from standard databases. Provides students with hands-on experience developing code, functions, triggers, and stored procedures for Microsoft SQL Server. Prerequisite: ITD 130 or equivalent. Lecture 3 hours per week.

General Course Purpose:

ITD 132 is a requirement for the Computer Programmer Career Studies Certificate and the Information Systems Technology AAS - Computer Programmer concentration. It is an IT elective for other students and an option for students who want to continue database skills with Microsoft SQL Server.

Course Prerequisites and Co-requisites:

Prerequisite: ITD 130 or equivalent

Student Learning Outcomes:
Upon completing the course, the student will be able to

- Create database tables and views;
- Use advanced SQL coding techniques;
- Create stored procedures;
- Create database functions;
- Create database triggers;
- Use database transactions;
- Create user-defined data types; and
- Use XML.

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