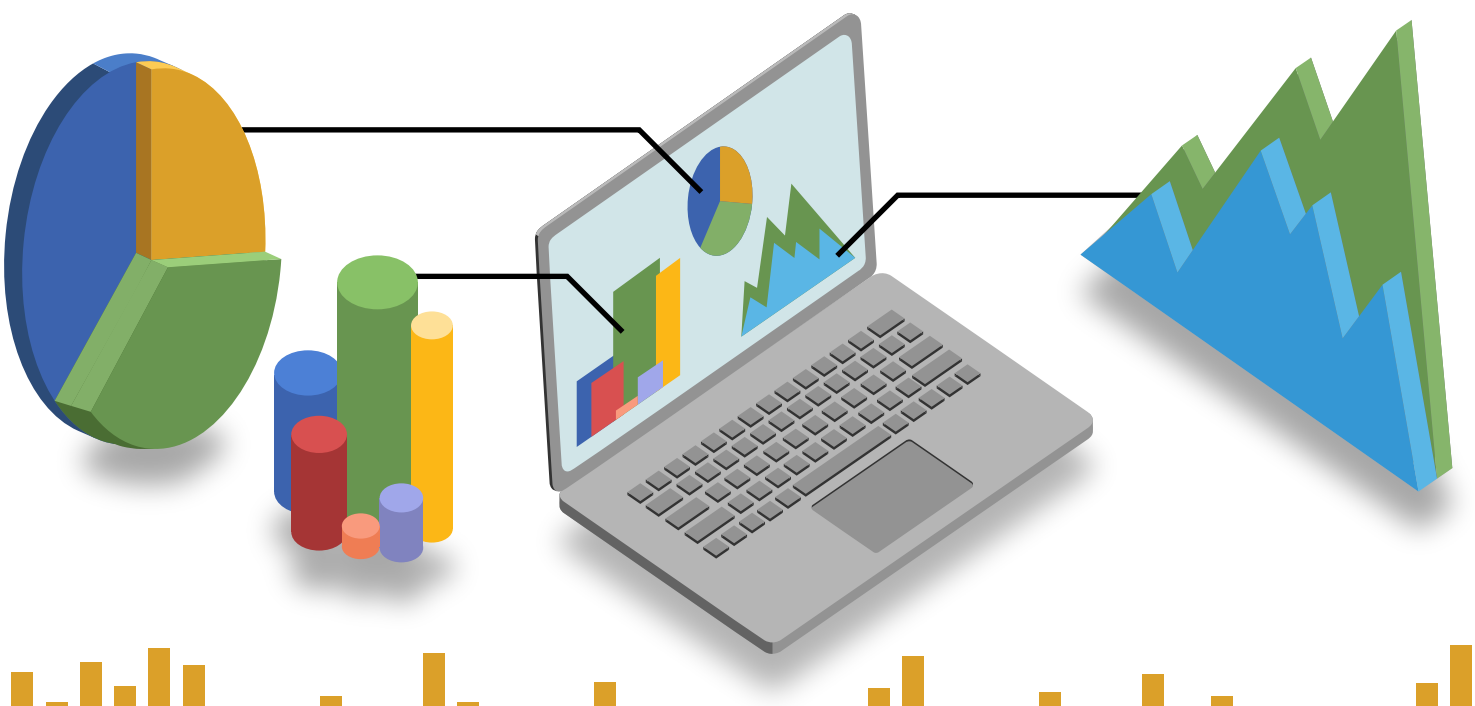
DAD 220

Introduction to Structured Database Environments



Course Description

Throughout this course, you will learn to create structured database environments that incorporate basic processing functionality and allow for data management, data manipulation, and data analysis. You will also construct and analyze queries to address data requirements.

Projects

In this course, you will work to develop, hone, and become proficient in three competencies. These competencies will give you some of the foundational knowledge and skills necessary for data analytics. Unlike some courses, this one does not feature one final project or exam. Instead, you will submit two competency projects: one in Module Six, and the other in Module Seven. Even though this course has two smaller competency projects instead of one larger project, the workload and expectations are still the same as they would be in a course at this level with a more traditional final assessment.

Project One (Module Six Submission)

Create new relational databases for a networking equipment manufacturer that will allow for the storage and manipulation of data for a company that is rapidly growing and dealing with disorganization.

In this project, you will demonstrate mastery of the following competencies:

- Create a structured database through the use of relational concepts
- Implement basic processing functionalities to create new structured database environments

Project Two (Module Seven Submission)

Run queries to analyze data and provide a summary of that analysis in the form of a report to stakeholders in a networking equipment manufacturer.

In this project, you will demonstrate mastery of the following competency:

- Analyze the results of queries constructed to address data requirements

Program Pathway

The following graphic is designed to give you a high-level view of the Data Analytics program and its suggested pathway. Be sure to discuss your plan with your advisor.