

**Northwest Arkansas Community College
Division of Business and Computer Information**

CISM 2433 Data Warehousing (On Demand)

Course Number and Title

CISM 2433–Data Warehousing

Catalog Description

This course will cover common concepts in data warehousing and business intelligence. The course will focus on data designed for query / analysis rather than for transaction processing with large datasets. Emphasis will be given to applying student skills to real world situations.

Prerequisites

CISM 1433 – SQL Concepts

CISM 1423 – Database Management I

Credit hours/Contact hours/Load hours

3/3/3

Target Audience/Transferability

This course is for students seeking more advanced training and hands-on experience in managing large datasets including using database to develop business intelligence.

Student Learning Outcomes

The students completing this course will:

- Understand data workflows.
- Understand dimensions and fact tables
- Develop an understanding of large datasets
- Understand and implement SSIS
- Develop and understand control flow.
- Understand Auditing, logging, and event handling.

Topics

- Design and implement dimensions
- Design and implement fact tables
- Define connection managers
- Design and implement data flow
- Manage SSIS package execution
- Implement script tasks in SSIS
- Design control flow
- Implement package logic by using SSIS variables and parameters
- Implement control flow
- Implement data load options
- Implement script components in SSIS
- Troubleshoot data integration issues
- Install and maintain SSIS components
- Implement auditing, logging, and event handling
- Deploy SSIS solutions
- Configure SSIS security settings
- Install and maintain data quality services
- Implement master data management solutions

- Create a data quality project to clean data managers

Forms of Assessment

Exams

Quizzes

Projects