**COLLEGE OF COMPUTER & INFORMATION SCIENCES  
PROGRAM OF STUDY**

**MS in Database Technologies**

***MS in Database Technologies Electives***

**Three Database electives are required for degree**.

* MSCD 640 – Oracle Database Administration
* MSCD 642 – Database Backup and Recovery
* MSCD 644 – Database Performance Tuning
* MSCD 650 – PL/SQL Programming
* MSCD 661 – Business Intelligence and Analytics
* MSCD 664 – Introduction to NoSQL Databases
* MSCD 670 – Middleware Architectures and Database Applications
* MSCD 675 – Database Technologies and SOA
* MSCD 681 – Data Warehouse Design

**OR**

**OR**

3333 Regis Boulevard  
Mail Code L-12  
Denver, CO 80221-1099

303-964-6107

MSCC 610  
Information Technology   
Concepts

MSCC 630  
Enterprise  
Architecture

MSCC 697  
IT  
Research  
Methods

MSCC 693  
Graduate Capstone

MSCD 692/696  
Database  
Practicum I/II**\***

MSCC 698  
Graduate  
Thesis

MSCD  
Elective (1)

MSCD  
Elective (2)

MSCD  
Elective (3)**\***

General  
Elective (1)

General  
Elective (2)

General  
Elective (3)

MSCD 600  
Database  
Architecture

MSCD 610  
Database   
Concepts

*\*For the Practicum option, MSCD 692 will take the place of the final MSCD elective and will be taken after MSCC 630.*

*NOTE: In addition to Degree Program Courses, students select* ***three*** *general elective courses. These courses may be selected from any SCIS Graduate MS program*

* ***Database Technologies***
* *Software Engineering*
* *Systems Engineering*
* *Information Assurance*
* *Information Technology Management*
* *Software Engineering and Database Technologies*