

Database Administration Certificates

This program is designed for persons currently in the workforce who desire to upgrade their skills or acquire new skills in the fields of database administration, database design, and programming with database management systems. Upon completion of the certificate the graduate will be qualified to take industry designed and recognized certification examinations. Employment opportunities include entry-level positions to develop, implement, manage and maintain database systems.

A KCTCS Institution

This workforce certificate program assumes that students entering this program possess math and writing skills necessary for the program's course-work. Students entering the program will take a placement test, and may be required to take developmental course-work in the areas if indicated by the placement tests.

Prerequisites: Moderate knowledge of industry-standard microcomputer operating systems, application software, computer program design and development techniques, and familiarity with at least one programming language.

Database Administration – 21 hours

- IT 170 *Introduction to Database Design*
- IT 147 *SQL Programming*
- IT 270 *Database Systems – Implementation and Management*
- IT 272 *Oracle Database Fundamentals I*
- NIS 246 *Microsoft SQL Server System Administration Topic*
- IT 266 *Open Source Database Administration Topic (new course)*
- NIS 213 *Administering Microsoft Windows Server*
OR NIS 230 UNIX Administration

Database Administration Basic – 15 hours Oracle Track

Academic Plan Code 1101013089

- IT 170 *Introduction to Database Design*
- IT 147 *SQL Programming*
- IT 270 *Database Systems – Implementation and Management Communication*
- IT 272 *Oracle Database Fundamentals I*
- NIS 213 *Administering Microsoft Windows Server* **OR NIS 230 UNIX Administration**

Database Administration Enhanced – 21 hours

Academic Plan Code 1101013109

- IT 170 *Introduction to Database Design*
- IT 147 *SQL Programming*
- IT 270 *Database Systems – Implementation and Management Communication*

Choose from either Oracle or Microsoft Track

ORACLE TRACK COURSES:

- IT 272 *Oracle Database Fundamentals I*
- IT 274 *Oracle Database Fundamentals II*
- IT 278 *Oracle Performance Tuning*
- NIS 213 *Administering Microsoft Windows Server* **OR NIS 230 UNIX Administration**

MICROSOFT TRACK COURSES:

- NIS 213 *Administering Microsoft Windows Server*
- NIS 246 *Microsoft SQL Server Administration*
- NIS 247 *Microsoft SQL Server Implementation*
- NIS 248 *Microsoft SQL Server Data Warehousing*



For additional information contact
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