

MICROSOFT DATABASE ADMINISTRATOR



Skills You Will Learn...

- ◆ Database Administration and Management
- ◆ Structured Query Language (SQL)
- ◆ Database Performance Tuning
- ◆ Creating Reports
- ◆ Database Application Development
- ◆ PL/SQL
- ◆ Installing and Maintaining an SQL server
- ◆ Computer Programming

Earn This Degree and Work as...

Position	Median Salary
Database Administrator	\$62,900
Computer Programmer	\$64,820
Software Engineer (Applications)	\$61,860

Source for position and salary information is the Department of Labor and Statistics.

About the Major

Database administrators install, administer, and optimize database systems for an organization. They ensure that database and document management systems maintain acceptable levels of performance, security, integrity, and confidentiality. Database solutions developers design, develop, test, and support database objects including tables, queries, reports, and forms. They may also design and write customized software that communicates with one or more database management systems.

The Advantage of the Degree

Database administrators often start as help desk / front-line support and get experience with the operating system and organization's architecture. They then advance to basic administration duties such as user creation and automation support. Entry-level database solutions developers often begin in quality assurance or testing departments, where they verify problems reported by users and verify solutions implemented by senior developers. They may advance to modifying application code and finally to solutions developers.



Microsoft Database Administrator 25057 Associate in Science

Total credits required for the degree is 63.

To provide an opportunity to establish a basic foundation in the field of database administration and application development for employment in commercial, industrial, and government institutions. Graduates are prepared for positions as database administrators and database application developers.

Course	Course Title	Credits
GENERAL EDUCATION REQUIREMENTS - 15 credits required		
ENC1101	English Composition 1	3
SPC1017	Fundamental of Speech Communication	3
PHI2604	Critical Thinking/Ethics	3
CLP1006	Psychology of Personal Effect	3
MAC1105	College Algebra	3
Major Course Requirements – 8 credits required		
CGS1060	Intro to Microcomputer Usage	4
CGS1540	Database Concepts	4
A: Microsoft DB Admin. Option - 40 credits req. (25057)		
COP1332	Introduction to Visual Basic Programming	4
COP2333	Advanced Programming Concepts using VB	4
CTS1328	Supporting Microsoft Clients	4
CTS1437	Microsoft SQL Administration	4
CTS2306	Implementing a Networking Infrastructure	4
CTS2433	Microsoft SQL Implementation	4
*Electives		16

Computer Electives = (CAP, CEN*, CGS*, CIS*, COP*, CTS*)

This suggested schedule is one possible way to complete the requirements for your degree program. It is highly recommended that you seek the advice of a Technology department advisor and/or faculty member.

First Term

15 Credits

CGS1060	Intro to Microcomputer Usage	4
CGS 1540	Database Concepts	4
COP 1332	Introduction to Visual Basic Programming	4
ENC 1101	English Composition I	3

Second Term

15 Credits

CTS1134	Networking Technologies	4
CTS1328	Supporting Microsoft Clients	4
CTS1437	Microsoft SQL Administration	4
MAC1105	College Algebra	3

Third Term

12 Credits

CTS2306	Implementing a Networking Infrastructure	4
CTS2433	Microsoft SQL Implementation	4
COP2333	Advanced Programming Concepts using VB	4

Fourth Term

12 Credits

*Elective		4
*Elective		4
*Elective		4

Fifth Term

9 Credits

PHI2604	Critical Thinking/ETHics	3
CLP1006	Psychology of Personal Effect	3
SPC 1017	Fundamental of Speech Communication	3

NEW Bachelor of Science in Information Systems Technology Requirements:

ECO 2013, STA 2023, CGS 1060, CGS 1540, COP 1334, and either CTS 1134 or CTS 1650 are pre-requisites for the **MDC BS-IST**.

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