

MICROSOFT BUSINESS INTELLIGENCE



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 Business Intelligence 25071 Associate in Science

Total credits required for the degree is 63.

To provide an opportunity to establish a basic foundation in the field of Business Intelligence and Data mining. Graduates are prepared with the knowledge and skills to build business intelligence applications and to manipulate massive amounts of data, turning it into useful information and reports which businesses can use for effective management and marketing.

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 Effectiveness	3
MAC1105	College Algebra	3

MAJOR COURSE REQUIREMENTS—48 credits required

CGS1060	Intro. to Microcomputer Usage	4
CGS1540	Database Concepts Design	4
COP1332	Introduction to Visual Basic Prog.	4
QMB2100/L	Business Statistics	4
CTS2361	SharePoint Administration	4
CTS1437	Microsoft SQL Administration	4
CTS2433	Microsoft SQL Implementation	4
CTS2463	C# Web Application Prog.	4
CTS2450	Business Intelligence—Data Mining	4
CTS2451	Business Intelligence—Integ. & Rep.	4
CGS2172	Impl. Commerce—Enabled Web Site	4
* Computer Elective		4

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

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

First Term

14 Credits

CGS1060	Intro to Microcomputer Usage	4
CLP1006	Psychology of Personal Effectiveness	3
CGS1540	Database Concepts Design	4
ENC1101	English Composition I	3

Second Term

13 Credits

COP1332	Introduction to Visual Basic Prog.	4
PHI2604	Critical Thinking and Ethics	3
SPC1017	Fundamentals of Speech Comm.	3
MAC1105	College Algebra	3

Third Term

12 Credits

QMB2100	Basic Business Statistics	3
QMB2100L	Basic Statistics Lab.	1
CTS2361	SharePoint Administration	4
Elective		4

Fourth Term

12 Credits

CTS1437	Microsoft SQL Administration	4
CTS2433	Microsoft SQL Implementation	4
CTS2463	C# Web Application Prog.	4

Fifth Term

12 Credits

CTS2450	Business Intelligence—Data Mining	4
CTS2451	Business Intelligence—Integ. & Rep.	4
CGS2172	Impl. Commerce—Enabled Web Site	4

FOR FURTHER INFORMATION

Miami Dade College District Board of Trustees:
Helen Aguirre Ferré, Chair • Armando J. Bucelo Jr., Vice Chair •
Bernie Navarro • Benjamin Leon, III • Armando J. Olivera • Marili
Cancio • Jose K. Fuentes

Eduardo J. Padrón, College President, Miami Dade College
Rotando Montoya, College Provost
Malou C. Harrison, President, North Campus
Lourdes Oroza, President, Kendall Campus
Jose A. Vicente, President, Wolfson Campus
Armando Ferraz, President, Medical Center Campus
Joanne F. Jacobs, President, Homestead Campus
Joanne Bashford, President, InterAmerican Campus
Mattie Roig-Watnik, President, Hialeah Campus

The Miami Dade College Foundation supports the mission and values of Miami Dade College by encouraging gifts from a wide variety of sources, particularly in the areas of scholarship and program support. For more information on how you can contribute to the College, please call MDC at 305-237-8888.

Miami Dade College is an equal access/equal opportunity institution in compliance with ADA and does not discriminate because of veteran, marital or disability status or on the basis of age, sex, race, national origin or religion. This information is available in accessible formats. For this, or special accommodations, call 305-237-3848 three days before the event. TDD: 711; 1-800-955-8771



Write us
School of Engineering and Technology
MDC Wolfson Campus
500 NE 2nd Ave, Suite 7148
Miami, FL 33132
Call or Email US
305-237-8888 / entec@mdc.edu
Visit Our Web Site
<http://entec.mdc.edu>