

Certificate of Achievement

Database Administration Certificate

SQL.CA

FIRST YEAR/FIRST SEMESTER

Course #	Course Name	Credits	Notes
CSC-171	Introductory Programming with Python	3	
CIS-103	Database Management	3	Fall Semester Only
CIS-234	SQL Server on Linux	3	
CIS-237	Relational Database Concepts	3	

FIRST YEAR/SECOND SEMESTER

CIS-225	Project Management Essentials	3	Spring Semester Only
CIS-236	SQL Fundamentals II	3	Prerequisite: CIS-234 Spring Semester Only
CIS-238	Database Security and Protection	3	Spring Semester Only
CIS-239	Database Administration Principles	3	Prerequisite: CIS-237 Spring Semester Only

TOTAL CREDITS**24****PROGRAM DESCRIPTION**

The Database Administrator Certificate develops you to work with businesses or clients to determine their information storage needs, and then utilize database software to develop a strategy most suited to those needs. Throughout the program you'll be exposed to the latest trends and industry standards. Using Microsoft SQL Server in Windows and in Linux, you will learn troubleshooting, repairing databases, testing performance, security, and permissions. While immersed in the course work, you'll also be preparing for an industry certification within Microsoft that opens doors to employment and lifelong opportunities.

PROGRAM STUDENT LEARNING OUTCOMES

At the end of the program, the graduate will be able to:

1. Design and develop SQL for handling tasks such as extracting information, trends, insights and metrics from data stored in the database.
2. Design, develop, create and run the queries and reports needed by end users or management teams.
3. Monitor, investigate, correct, and prevent data quality problems.
4. Create and manage a project using project management tools.
5. Write applications using Python.

CONTACT PERSON

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THIS PROGRAM IS NOT APPROVED FOR FINANCIAL AID