

CERTIFICATE OF ACHIEVEMENT

SQL Analyst Certificate

SQL.CA

CODE	COURSE	CREDITS
First Year/First Semester		
CSC-171	Introductory Programming with Python	3
CIS-103	Database Management ¹	3
CIS-235	SQL Fundamentals I ¹	3
CIS-237	Relational Database Concepts ¹	3
		12
First Year/ Second Semester		
CIS-225	Project Management Essentials ²	3
CIS-236	SQL Fundamentals II ²	3
CIS-238	Database Security and Protection ²	3
CIS-239	Database Administration Principles ²	3
		12
	Total minimum credits	24

¹ Offered only in the fall semester.

² Offered only in the spring semester.

PROGRAM DESCRIPTION

The certificate program is designed for individuals who are looking to acquire the skill to perform in-depth queries on popular databases such as MS SQL Server, My SQL and Oracle to become an entry level database analyst, designer, developer and/or administrator. This field is in demand as it is essential to progress in the business environment. The SQL Analyst is the point person in industry for information when critical business decisions are to be made based on data as well as in daily business operations in the company.

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 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.

PROGRAM GOALS

- To provide students with the opportunity to gain job skills in programming, database management, SQL and project management to work in the database environment using SQL.
- To acquire the technical skills required to write basic Transact-SQL queries

EMPLOYMENT OPPORTUNITIES

- Database analyst
- Database designer
- Database developer
- Database administrator
- SQL database programmer

C**CONTACT PERSON**

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Highlight

Successful completion of this certificate program prepares students to take the exam for a Microsoft MTA Certificate