



Database Specialist Diploma Program

The Program in Brief

The Database Specialist program develops program participants' skills in dealing with enterprise scale databases and related applications. Participants will learn how to perform the essential duties of a database administrator and develop a strong conceptual and practical appreciation for the key elements of database management and security. Participants can expect comprehensive exposure to operating systems, networking, and the fundamentals of effective programming. The latter portion of the course will focus on the particulars of widely used database related applications such as Microsoft SQL Server 2003 and the Oracle Database system.

The Type of Program Participant Who Would Benefit Most:

Anyone interested in the fields of database administration, analysis or development would be well served by this program.

Prerequisites

Some previous exposure to computers and operating systems like Windows would be beneficial.

Key Topics

- Database Systems
- Data Models
- The Relational Database Model
- Database Design
- SQL
- Object Oriented Databases
- Web Database Development
- Database Administration
- Database Security

Other Key Program Elements

Participants can expect to be continuously challenged by way of demanding assignments and projects aimed at helping them build high level skills. Some labs/ assignments/projects to be expected include:

- The Conceptual Design Lab
- The Logical Design & Implementation Lab
- The Data Security Lab

Other Programs/Certifications participants will be in a position to successfully participate in/pursue upon completing this program:

- Oracle Application Developer Program

Factors worth noting

- The program is instructor led
- The program is available full time and part-time
- The program lasts 4 months if taken full-time and 7 months if taken part-time



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Canadian Institute of Learning
37 George Street Suite 301
Brampton, Ontario L6X 1R5

905-874-3311

info@canilearn.com
www.canilearn.com

