

DAD - Database Application Developer

Version 55

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Program Code:	DAD
Credential Awarded:	Graduate Certificate
Campus:	Newnham
Duration:	1 year (2 academic semesters)
Starts In:	September, and January

Program Curriculum

Database Application Developer (DAD) - 23-24

Semester 1		
Course Code	Course Name	Pre-requisites
DES720	Relational Database Design and Implementation	None
JAV745	Java Programming	None
OPS705	Introduction to Cloud Computing	None
SQL710	Database Administration and Management	None
WEB700	Web Programming	None

Semester 2		
Course Code	Course Name	Pre-requisite
CAP805	Applied Capstone Project	
CJV805	Database Connectivity Using Java	
DBD800	Accessing Big Data	
DBW825	Datawarehousing	
SEC835	Security in Databases and Web Applications	
<u>WTP100</u>	Work Term Preparation (Work-Integrated Learning option only)	
Optional Co-op		
Course Code	Course Name	Pre-requisite
	Optional WIL Work Term	

Program Learning Outcomes

As a graduate, you will be prepared to reliably demonstrate the ability to:

- Analyze system requirements for business computer applications.
- Work and communicate as a member of a team in the design, development and implementation of computerized business applications.
- Construct a logical and physical database design given a client's system requirements.
- Implement a simple database application using popular relational database application software.
- Program computer applications using an object-oriented programming language.

- Develop specific business applications using a multi-tier architecture.
- Modify deployed applications using industry standard system architectures and frameworks.
- Perform basic database administration functions, including backup and recovery, and network administration.
- Implement database applications using an enterprise-level relational database product.
- Apply knowledge of data warehousing, data marts, and data mining to gather and summarize decision making information.
- Employ web technologies in database application implementation and support.
- Work effectively in web and distributed operating system environments.

[Further Information About This Program from Seneca's Website](#)

tags : dad, grad-cert, sdds