DAD - Database Application Developer

Version 58

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

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
CJV805	Database Connectivity using JAVA	JAV745 and DES720
CAP805	Applied Capstone Project	WEB700, DES720
DBW825	Data Warehousing	DES720
SEC835	Security in Databases and Web Applications	WEB700, DES720
DBD800	Accessing Big Data	DES720
WTP100	Work Term Preparation (Work-Integrated Learning option only)	None

Optional Co-op		
Course Code	Course Name	Pre-requisite
DAD441	Optional WIL Work Term	None

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