CENTENNIAL COLLEGE

The Future of Learning

HEALTH INFORMATICS TECHNOLOGY

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This advanced diploma program incorporates knowledge of both information technology and health care systems. Students learn to design, develop, modify, and test software for health care applications. The coursework emphasizes object-oriented software design methodologies, user-oriented interface design, the structure of health care information systems, telehealth, data security and privacy in health care systems, data warehousing and data mining. Students learn to write programs in C++, C#, Java, J2EE, .NET, HTML/XML and WebSphere.

Some Assignments Include

- Programmer/Analyst
- HCIS Database Developer
- Data Analyst
- Jr. Informatics Security Analyst
- Web Applications Developer

Program Outline

Sept. – Dec.	Jan. – April	May – Aug.	Sept. – Dec.	Jan – April	May – Aug.	Sept. – Dec.	Jan. – April	May – Aug.	Sept. – Dec.
Semester 1	Semester 2	Vacation	Semester 3	Co-op Work Term 1	Semester 4	Co-op Work Term 2	Semester 5	Co-op Work Term 3	Semester 6
Programming I Software Engineering Fundamentals Introduction to Database Concepts College Communications 2 Functions and Number Systems Introduction to Canadian Business	Networking Technologies Programming II Web Interface Design Software Engineering Methodologies I Discrete Mathematics Elective		Advanced Database Concepts JAVA Programming Advanced Web Applications Development Advanced Business Communications Statistics and Research Methods Signature Learning Experience Employment Preplacement		Introduction to Business and ICT Programming III Object-Oriented Software Engineering Unix/Linux Operating Systems Software Testing and Quality Assurance Elective		IT Project Management Software Development Project I Systems Integration Structure of HCIS Tools, Algorithms & Methods for HCIS Technical Elective		Data Warehousing and Data Mining in HCIS Software Development Project II Computer Techniques in Medical Imaging Telehealth Technical Elective

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