COMPUTER INFORMATION SYSTEMS

Diploma and Degree Program

The Program

The Computer Information Systems program is offered as a two year diploma or a four year degree. Graduates of the diploma (four academic semesters) can ladder directly into year three of the degree program (eight academic semesters).

Both the diploma and the degree programs offer a broad selection of computing, mathematics, business, and communications courses so graduates can function successfully in a variety of roles in a business organization, high-technology company, or government department.

These roles include positions as computer programmer, programmer/analyst, business systems designer/developer/analyst, web designer/developer, network administrator, and database architect/administrator.

The courses in the program are grouped into required courses (which all students take), courses from one or more options (an option is a collection of courses dealing with a specific area of computing), and elective courses. This allows students to concentrate on areas of computing (Software Design and Development, Database Systems, or General Studies) which interest them, while ensuring all graduates have a broad knowledge of computing.

What are the Benefits to Employers?

- An opportunity to evaluate employees without an obligation to permanent employment.
- A proven cost-effective method of meeting human resource needs.
- Co-op students and/or graduates are available on a year-round basis: January-April, May-August, September-December.
- Access to a pool of motivated, temporary employees for special projects, peak periods, vacation relief, coverage without costly advertising.

How do you hire Okanagan College Co-op Students?

E-mail: coop@okanagan.bc.ca
Website: www.okanagan.bc.ca/coop
Fax: 250-862-5600

Okanagan College
1000 KLO Road, Kelowna BC V1Y 4X8
Phone: 250-862-5412

Co-operative Education and Work-Integrated Learning Canada(CEWIL Canada)
All department staff are members of CEWIL.

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Recommended Co-op Schedule for the CIS Diploma/Degree Program

September - December	January – April	May - August
Academic Term 1	Academic Term 2	Work Term 1
Academic Term 3	Work Term 2	Work Term 3
Work Term 4	Academic Term 4	Work Term 5 **(Diploma grads are available)**
Academic Term 5	Academic Term 6	Work Term 6
Academic Term 7	Academic Term 8	**(Degree grads are available)**

Employers are encouraged to recruit during the four-month period prior to a work term(s) and/or graduation. Additional work terms can be incorporated at employer's or student's request.

Highlights of CIS program content (Diploma and Degree)

- Operating systems: command-line UNIX/LINUX, Bash scripts
- Programming in Java, VB.NET, C++
- Databases: SQL (Oracle and MySQL), Normalization
- Web technologies: HTML, CSS, JavaScript, jQuery, PHP, AJAX, XML, JSON, Apache Server, WordPress, Drupal
- Networks and telecommunications: TCP/IP protocols, subnetting
- Software development life cycle: waterfall and agile methodologies
- Systems Analysis and Design: ER, use-case and UML diagramming
- Project management: JIRA, Risk and SWOT analysis

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