Computer Information Systems: Diploma

Faculty of Business	kpu.ca/business
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Selective entry
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Diploma
Offered At	Surrey
Format	Full-time Part-time Co-op
How to Apply	www.kpu.ca/admission

DESCRIPTION

This program provides graduates with diverse computing knowledge to meet the needs of organizations of all sizes. KPU students who complete the prescribed courses in the Computer Information Systems (CISY) Diploma program with a GPA of 2.7 or better will be eligible to enter the third year of the Bachelor of Technology in Information Technology Degree program. For more information see Information Technology: Bachelor of Technology.

CAREER OPPORTUNITIES

A graduate of this program may find employment in the following areas:

- Network administration
- Systems and user support
- Database design and management
- Systems analysis and design
- Software development
- Web design and development
- Technical documentation
- C# & Java Programming

PROGRAM ADMISSION REQUIREMENTS

New Admission Requirements for September 2013
Program admission requirements for this program have changed for the Fall 2013 intake.

In addition to KPU's General university admission requirements including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

- Foundations of Mathematics 11 with a minimum grade of C+ (or equivalent), or Pre-Calculus 11 with a minimum grade of C (or equivalent).

Note: A first year undergraduate-level English course is a graduation requirement, therefore students wishing to complete the program without having to undertake any preparatory courses must enter with English 12—B (or equivalent)

It is expected that applicants to the program have aptitude for working with computers, understand general computing concepts, have basic computer skills and working knowledge of the Windows environment. It is recommended you make an appointment with an Academic Advisor to plan your course selections accordingly.

PROGRAM REQUIREMENTS

This program is available to students as a full-time or part-time study schedule and requires the completion of 60 credits.

60 credits including:

Year 1 courses

INFO 1111	Introduction to Computer Hardware and Software	3 credits
INFO 1112	Principles of Program Structure and Design	3 credits
INFO 1113	Systems Analysis and Design	3 credits
CMNS 1140	Introduction to Professional Communication	3 credits
PHIL 1150	Introduction to Formal Logic	3 credits
INFO 1211	Operating Systems Principles and Applications	3 credits
INFO 1212	Networking Technologies I	3 credits
INFO 1213	Web Application Development	3 credits
INFO 1214	Discrete Mathematics for Information Technology	3 credits

Year 2 courses

ENGL 1100	Introduction to University Writing	3 credits
INFO 2311	Networking Technologies II	3 credits
INFO 2312	Database Management Systems	3 credits
INFO 2313	Object-Oriented Programming	3 credits
INFO 2411	Foundations of Computer Security	3 credits
INFO 2412	Management of Information Systems	3 credits
INFO 2413	System Development Project	3 credits

Courses taken during Year 1 and 2

BUSI 1110	Fundamentals of Business in Canada	3 credits
BUQU 1130	Business Mathematics	3 credits
BUQU 1230	Business Statistics	3 credits
CPSC 2302	Data Structures and Program Organization	3 credits

Not all courses are offered at all times or on all campuses. It is important to ensure work and personal schedules can accommodate the posted schedule times prior to committing to the program.

CO-OPERATIVE EDUCATION

The Computer Information Systems diploma is offered with a Co-operative Education option. Co-operative Education gives a student the opportunity to apply the skills gained during academic study in paid, practical work experience semesters. Students can complete two work semesters while completing their diploma. Work terms generally occur full-time in separate 4 month work semesters but may also be available part-time over an 8 month continuous (parallel) placement. Work semesters alternate with academic study.

Students wishing to enter and participate in the Co-op Option must meet the following requirements:

Declaration/Entrance Requirements:

- Good academic standing

Program Continuance Requirements:

Continuation in the co-op option requires:

- Completion of COOP 1101 prior to 30 program credits
- Minimum program GPA of 2.33

Work Term Requirements:

Participation and enrolment in a co-op work term requires:

- Successful completion of COOP 1101
- Successful completion of 30 program credits
- Instructor permission

Co-op Requirements

The Co-operative Education designation requires successful completion of the following courses:

Required:

COOP 1101	Job Search Techniques	1 credit

And all of:

COOP 1150*	Co-op Work Semester 1	9 credits
COOP 2150*	Co-op Work Semester 2	9 credits

* Part-time (Parallel) work terms may be taken over two semesters as COOP 1150A/1150B or COOP 2150A/2150B respectively.

Additional requirements:

In addition to the requirements stated above, all Co-op students must satisfy the General Co-operative Education Requirements.

OTHER INFORMATION

Students enrolled in this program are expected to have their own laptop computers. Students should expect to invest a minimum of an additional 30 hours per week completing assignments and projects.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Diploma in Computer Information Systems**.

Upon successful completion of this program with co-operative education, students are eligible to receive a **Diploma in Computer Information Systems, Co-operative Education Option**.

In the event of a discrepancy between this document and the official KPU 2014-15 Calendar (available at www.kpu.ca/calendar/2014-15), the official calendar shall be deemed correct.

2014-15 Calendar

www.kpu.ca/calendar/2014-15