COMPUTING – GENERAL (COMPUTING) – BACHELOR OF COMPUTING

COMP-G-BCP

Subject: Administered by the School of Computing
Plan: Consists of 48.00 units as described below.
Program: The Plan, with sufficient electives to total 90.00 units will lead to a Bachelor of Computing Degree.

Code	Title	Units
1. Core		
A. Complete the following:		
CISC 121	Introduction to Computing Science I	3.00
CISC 124	Introduction to Computing Science II	3.00
B. Complete the following:		
CISC 203	Discrete Mathematics for Computing II	3.00
CISC 204	Logic for Computing Science	3.00
CISC 221	Computer Architecture	3.00
CISC 223	Software Specifications	3.00
CISC 235	Data Structures	3.00
CISC 360	Programming Paradigms	3.00
2. Option		
A. Complete 3.00 units from the following:		**3.00**
	CISC at the 300-level or above	
	CISC_Subs at the 300-level or above	
	COCA at the 300-level or above	
	COGS at the 300-level or above	
B. Complete 9.00 units from the following:		**9.00**
	CISC at the 200-level or above	
	CISC_Subs at the 200-level or above	
	COCA at the 200-level or above	
	COGS at the 200-level or above	
3. Supporting		
A. Complete 6.00 units from the following:		**6.00**
CISC 102 & MATH 112	Discrete Mathematics for Computing l and Introduction to Linear Algebra	
CISC 102 & MATH 111	Discrete Mathematics for Computing l and Linear Algebra	
MATH 110	Linear Algebra	
B. Complete 6.00 units from the following:		**6.00**
MATH 120	Differential and Integral Calculus	
MATH 121	Differential and Integral Calculus	
MATH 123 & MATH 124	Differential and Integral Calculus I and Differential and Integral Calculus II	
Electives		

Elective Courses	42.00
Total Units	**90.00**

4. Notes

A. Students with no programming experience should review the Introductory Courses (https://www.queensu.ca/academic-calendar/arts-science/schools-departments-programs/computing/) paragraph included on the School of Computing overview page in the *Calendar*.

B. A maximum of 6.00 units from courses offered by other Faculties and Schools may be counted toward the program and/or Plan requirements. This includes courses in BMED, COMM, GLPH, HSCI, LAW, NURS, and courses in the Faculty of Engineering and Applied Science.

Computing Course List

The following list contains courses offered through other Departments. In accordance with Academic Regulation **2.6** (Access to Classes), students do not have enrolment priority in all of these courses. Access to these courses may only be made available during the Open Enrolment period, and then only if space permits.

CISC_Subs

Code	Title	Units
Courses in other departments usable as CISC options		
COMM 365	Advanced Business Decision Modeling	3.00
ELEC 470	Computer System Architecture	3.00
MATH 272	Applications of Numerical Methods	3.00
MATH 337	Stochastic Models in Operations Research	3.00
MATH 401	Graph Theory	3.00
MATH 402	Enumerative Combinatorics	3.00
MATH 434	Optimization Theory with Applications to Machine Learning	3.00
MATH 474	Information Theory	3.00