

COMPUTING – MINOR (ARTS)

COMP-Y

Subject: Administered by the School of Computing.

Plan: Consists of 30.00 units as described below.

Program: The Plan, in combination with a Major plan in another subject, and with sufficient electives, will lead to an Honours Bachelors Degree.

Note: Requirements for this program have been modified. Please consult the 2023-2024 (<https://queensu-ca-public.courseleaf.com/archive/2023-2024/>) *Calendar* for the previous requirements.

Code	Title	Units
1. Core		
A. Complete the following:		
CISC 102	Discrete Structures I	3.00
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 Structures II	3.00
CISC 204	Logic for Computing Science	3.00
CISC 221	Computer Architecture	3.00
CISC 235	Data Structures	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 6.00 units from the following:		6.00
COGS 100	Introduction to Cognitive Science	
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		
Total Units		30.00

3. 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. ELEC courses are offered by Smith Engineering. Special permission may be required to register. All such courses will

count as 3.00 units towards degree requirements in Arts and Sciences.

C. 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 offered by Smith Engineering.

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		
ELEC 470	Computer System Architecture ¹	3.50
ELEC 474	Machine Vision ¹	3.50
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

¹ Note that the unit weighting system in Smith Engineering differs from that in the Faculty of Arts and Science. Therefore, upon acceptance of any course from Smith Engineering, the unit weighting towards Arts and Science degree requirements shall be at the discretion of the Associate Dean (Academic). Usually, a one-term course shall count as 3.00 units and a two-term course as 6.00 units.