B.Sc. Three-year Computer Science

C1. College Requirement (12cu)

	6cu from ***English Language Writing***	Y1
		Y1
	Indigenous Learning	
MATH 110 *or* 176	***Quantitative Reasoning***	Y1

C2. Breadth Requirement (9cu)

	3cu from ***Humanities*** *or* ***Social Science***	
	6cu from ***Fine Arts***, ***Humanities***, ***Social Science***, *or* ***Interdisciplinary Studies***	

Refer to the programme description for the full list of courses that fulfill C1 and C2 requirements.

C3. Cognate Requirement (15cu)

	9 cu from ***Junior***		
MATH 164 *or* 266	*Cognate Mathematics**	*6 cu of* ***Senior***	Y2
STAT 242 *or* 245	*Cognate Statistics**		Y2

Junior: **Biology**: BIOL 120, 121; **Chemistry**: CHEM 112, 115, 250;
Earth Sciences: GEOG 120, GEOL 121, 122;
Physics&Astronomy : ASTR 113; PHYS 115, 117 or 125.

Mathematics Note: Engineering students may use MATH 124.
Also consult Junior MATH Course Credits in the College policies.

Statistics Note: Engineering students may use EE 216 or ME 251.
Also consult Statistics Course Regulations in the College policies.

No more than 6 credit units from one subject may be used in C1, C2, and C3 Junior.

C4. Majors Requirement (30cu)

CMPT 141 (*or* 116)	Introduction to Computer Science	Y1
CMPT 145 (*or* 117)	Principles of Computer Science	Y1
CMPT 214	Programming Principles and Practice	Y2
CMPT 215 (*or* CME 331)	Computer Organization and Architecture	Y2
CMPT 260	Mathematical Logic and Computing	Y2
CMPT 270	Developing Object Oriented Systems	Y2
CMPT 280	Intermediate Data Structures	Y2
CMPT	*9cu from: 300- or 400-level CMPT courses, BINF 300, or at most 1 of: CME 332, 341, 342, 433, 435, 451*	Y3
CMPT		Y3
CMPT		Y3

C5. Electives Requirement (24cu)

	Courses to complete the requirements for 90cu Three-year program, of which at least 42 must be at the 200-level or higher.	

Note: PHIL 232 is highly recommended