

B.Sc. Four-year Computing

C1. Science Requirement (15cu)

CMPT 111 or 116	Intro to Computer Science	
CMPT 115 or 117	Principles of Computer Science	
	<i>Select additional 9cu from Science areas; no more than 6cu from any one area.</i>	

Science Areas: **Biology:** BIOL 120, 121; **Chemistry:** CHEM 112, 115, 250;
Earth Sciences: GEOG 120, GEOL 121, 122;
Physics&Astronomy : ASTR 103; PHYS 115, 117 or 125, 127.

C2. Humanities Writing Requirement (6cu)

C3. Social Science Requirement (6cu)

C5. General Requirement (6cu)

C4. Mathematics Requirement (6cu)

MATH 110	Calculus I	
MATH 264 or 266	Linear Algebra	

C7. Cognate Mathematics Requirement (9cu)

STAT 242 or 245	Introductory Statistics*	
	<i>6cu from Mathematics List</i>	

Statistics Note: Engineering students may use EE 216 or ME 251.

Mathematics MATH 112 or 116, 211, 223, 225, 276, 327, 328, 364;

List: MATH 363 or MATH 361 and MATH 362;

STAT 241, 344, 345, 348; PHIL 243.

C6. Majors Requirement (42cu)

CMPT 214	Programming Principles	
CMPT 215 or CME 331	Computer Organization	
CMPT 260	Math. Logic and Computing	
CMPT 270	Object Oriented Systems	
CMPT 280	Intermediate Data Structures	
	<i>In addition to the courses indicated, choose an additional 27cu in 300- or 400-level CMPT courses.</i>	

C7. Electives Requirement (30cu)

	<i>Courses to complete the requirements for 120 cu Four-year program, of which at least 66 must be at the 200-level or higher.</i>	