B.Sc. **Four-year** *Computer Science*

C1. Science Requirement (15cu)

CMPT 141 (or 116)	Intro to Computer Science	1
CMPT 145	Principles of Computer Science	1
	Select additional 9cu from Science Areas below; no more than 6cu from any one area.	

Science Areas: **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.

C2. Humanities Writing Requirement (6cu)

		1
		1

C3. Social Science Requirement (6cu)

C5. General Requirement (6cu)

No more than 6 credit units in C2, C3, or C5 from any one subject.

See the College Website for a full list of courses that meet requirements C2, C3, C5:

https://programs.usask.ca/arts-and-science/computer-science/index.php

C4. Mathematics Requirement (6cu)

MATH 110 or 176	Calculus I	1
MATH 164 (264) or 266	Linear Algebra	1

C7. Cognate Mathematics Requirement (9cu)

STAT 242 or 245	Introductory Statistics*	
	6cu from Mathematics List	

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

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

MATH 363 or MATH 361 and MATH 362;

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

C6. Majors Requirement (45cu)

CMPT 214	Programming Principles	2
CMPT 215	Computer Organization	2
CMPT 260	Math. Logic and Computing	2
CMPT 270	Object Oriented Systems	2
CMPT 280	Intermediate Data Structures	2
PHIL 232	Ethics and Professional Responsibility	2
CMPT	*Choose 6 of 317, 332,340,353,360,370,381*	3/4
CMPT		3/4
CMPT		3/4
CMPT		3/4
CMPT		3/4
CMPT		3/4
CMPT	*3cu from: 300- or 400-level CMPT courses, BINF 300, or CME 332, 341, 342, 433, 435, 451*	3/4
CMPT	*Choose 2 with number 410 or higher*	3/4
CMPT		3/4

Note: Engineering students may use CME 331.3 in place of CMPT 215

C7. Electives Requirement (27cu)

	See Business Science Note.	
	Courses to complete the requirements for 120 cu Four-year program, of which at least 66 must be at the 200-level or higher.	

Business Science Note

If ECON 111 or 114 is used to meet requirement C3, the slot becomes a free elective. Otherwise, the slot becomes a Business Science Requirement from the following list: COMM 102, 105, 201, 203, 204, 205, 206, 210, 304; ECON 111, 114; AREC 230; ENT 210, 220, 230.