

B.Sc. Four-year Computer Science

C1. Science Requirement (15cu)

CMPT 111	Intro to Computer Science	CST
CMPT 115	Principles of Computer Science	CST
	<i>Select additional 9cu from Science Areas below; no more than 6cu from any one area.</i>	1
		1
		2

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)

		1/2
		1/2

C3. Social Science Requirement (6cu)

		1/2
		1/2

C5. General Requirement (6cu)

	Important: Must be 6cu at senior level.	2
		2

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:

<http://www.usask.ca/programs/colleges-schools/arts-science/computer-science/index.php>

C4. Mathematics Requirement (6cu)

MATH 110	Calculus I	1
MATH 264 or 266	Linear Algebra	1

C7. Cognate Mathematics Requirement (6cu)

STAT 245	Introductory Statistics*	2
	<i>3cu from Mathematics List</i>	2

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.

Cognate Mathematics requirement is reduced to 6cu under this agreement.

C6. Majors Requirement (42cu)

CMPT 214	Programming Principles	CST
CMPT 215	Computer Organization	S
CMPT 260	Math. Logic and Computing	1
CMPT 270	Object Oriented Systems	CST
CMPT 280	Intermediate Data Structures	S
CMPT 350		CST
CMPT 355	Theory and Appl. of Databases	CST
CMPT	<i>Choose 2 of 332, 340, 360</i>	1/2
CMPT		1/2
CMPT	<i>Choose 2 with number 410 or higher</i>	2
CMPT		2
CMPT	<i>9cu from: 300- or 400-level CMPT courses, BINF 300, or at most 2 of: CME 332, 341, 342, 433, 435, 451, 462</i>	1/2
CMPT		1/2
CMPT 3YY (networks)		CST

C7. Electives Requirement (33cu)

CMPT 100		CST
CMPT 281		CST
CMPT 3XX (SE)		CST
15cu JR electives	<i>Includes Business Science requirement.</i>	CST
9cu SR electives		CST