

# B.Sc. Honours Computer Science

## C1. Science Requirement (15cu)

CMPT 141 (or 116)	Intro to Computer Science	1
CMPT 145	Principles of Computer Science	1
	<i>Select additional 9cu from Science Areas below; 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 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 116 (or 177)	Calculus II	1

## C7. Cognate Mathematics Requirement (9cu)

MATH 266	<i>Recommended, or MATH 164 (264).</i>	2
STAT 241	Probability Theory	2
STAT 242 or 245	Introductory Statistics*	2

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

## C6. Majors Requirement (48cu)

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 360	Machines and Algorithms	3
CMPT 364	Automata and Formal Languages	3/4
CMPT 400	Research Topics in Computer Science	4
CMPT	<i>Choose five of 317, 332, 340, 353, 370, 381</i>	4
CMPT		3/4
CMPT		3/4
CMPT		3/4
CMPT		3/4
CMPT		3/4
CMPT	<i>Choose 2 with number 410 or higher, or CME 433, 435, 451</i>	3/4
CMPT		3/4

## C7. Electives Requirement (24cu)

	<i>See Business Science Note.</i>	
	<i>Courses to complete the requirements for 120 cu Honours program, of which at least 66 must be at the 200-level or higher.</i>	

### 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.