

# B.Sc. Honours Computer Science

## C1. Science Requirement (15cu)

CMPT 111 or 116	Intro to Computer Science	1
CMPT 115 or 117	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 103; PHYS 115, 117 or 125, 127.

## 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:

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

## C4. Mathematics Requirement (6cu)

MATH 110	Calculus I	1
MATH 116	Calculus II	1

## C7. Cognate Mathematics Requirement (9cu)

MATH 266	<i>Recommended, or MATH 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
CMPT 332	Operating Systems Concepts	3/4
CMPT 340	Programming Language Paradigms	3/4
CMPT 360	Machines and Algorithms	3
CMPT 400	Research Topics in Computer Science	4
CMPT	<i>Choose one of 364, 461, 463</i>	4
CMPT	<i>Choose 2 of 317, 320, 350, 355, 370, 385, 394</i>	3/4
CMPT		3/4
CMPT	<i>Choose 2 with number 410 or higher</i>	3/4
CMPT		3/4
CMPT	<i>6cu from: 300- or 400-level CMPT courses, BINF 300, or at most 2 of: CME 332, 341, 342, 433, 435, 451, 462</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: CMPT 275; COMM 101, 102, 105, 201, 203, 204, 205, 206, 210, 304; ECON 111, 114; BPBE 230; ENT 210, 220, 230.