B.Sc. **Four-year** *Computer Science* (Dual degree: **CME**)

C1. Science Requirement (15cu)

CMPT 141 (or 111 or 116)	Intro to Computer Science	2
CMPT 145 (or 115 or 117)	Principles of Computer Science	2
	PHYS 125 or CHEM 115 or GEOL 121 or BIOL 120	1
PHYS 155		1
CHEM 114		1

C2. Humanities Writing Requirement (6cu)

		A
		A

C3. Social Science Requirement (6cu)

		1

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

The CME program requires a 1st year Humanities or Social Science, a 3rd year Compl Studies, and a senior Humanities or Social Science in 4th year. If at least 3 cu are Social Sciences (or satisfy the Humanities Writing Requirement) and all of them are Arts and Science courses (not COMM, not RCM) then these can be used in the slots indicated above.

C4. Mathematics Requirement (6cu)

MATH 123	Calculus I	1
MATH 164 (264) or 266	Linear Algebra	

C7. Cognate Mathematics Requirement (9cu)

STAT 242 or 245 or EE 216	Introductory Statistics*	
MATH 124		
MATH 223		

C6. Majors Requirement (42cu)

CMPT 214	Programming Principles	3
CMPT 215	Computer Organization	3
CMPT 260	Math. Logic and Computing	A
CMPT 270 (CS)	Object Oriented Systems	3/4
CMPT 280 (CS)	Intermediate Data Structures	3/4
EE 232		2
CMPT 350 or 370 (CS)		3/4
CMPT 332 (CS)		3/4
CMPT	*Choose 1 of 340, 360*	A
CMPT 432 or 434		
CMPT	*Choose 1 with number 410 or higher*	
CME 341		
CMPT	*6cu from: 300- or 400-level CMPT courses, BINF 300,*	A
CMPT	*or at most 1 of: CME 332, 342, 433, 435, 451, 462*	A

C7. Electives Requirement (30cu)

EP 214		2
COMM 102		1
MATH 224		2
	2nd year Science Elective (not EVSC 203)	3
EE 221		2
CME 433		4/5
CME 435		4/5
CME 451		4/5
		A
		A

Note: This program assumes that the student is completing the Computer Software stream. Courses required by the stream are marked (CS).

Engineering students may reuse courses from their Engineering program, as indicated; not all Engineering courses transfer.

A minimum of 30cu of A&S courses must be taken that are not used towards their Engineering degree. These requirements marked with "A" in right column.

Required courses taken in Year 1 (Common) and Year 2 (EE) are marked "1" or "2" in right column. To complete this degree alongside the 4-year EE program, a minimum 5 years total will be required for both. Students are encouraged to start 200-level CMPT courses in 3rd/4th year.