B.Sc. **Honours** *Bioinformatics*

C1. Science Requirement (15cu)

BIOL 120		1
BIOL 121		1
CHEM 112		1
CMPT 141 (or 116)		1
CMPT 145		1

C2. Humanities Writing Requirement (6cu)

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/bioinformatics/index.php

C4. Mathematics Requirement (6cu)

MATH 110 or 176	Calculus I	1
MATH 116 or 177	*Recommended, or MATH 112*	1

C7. Electives Requirement (15cu)

PHIL 236	*See Electives note.*	
	PHIL 234 and PHIL 238 recommended; see Electives note.	
	Courses to complete the requirements for 120cu Honours program; at least 66 must be at the 200-level or higher.	

Electives Note   At most 2 of PHIL 236, 234, 238 may be used to meet C5 requirements, with the corresponding slot(s) in C7 becoming a free elective.

C6. Majors Requirement (66cu)

BIOC 310		3
	One of: BIOC 311, MCIM 391, BIOL 420	3
	One of: BIOL 226, MCIM 326	2
BINF 200		2
BINF 300		3
BINF 400		4
BMSC 200		2
BMSC 240		2
CHEM 250		2
CMPT 260	Math. Logic and Computing	2
CMPT 270	Object Oriented Systems	2
CMPT 280	Intermediate Data Structures	2
CMPT 355	Theory & Appl. of Databases	3
CMPT 360	Machines and Algorithms	3
STAT 242	*Recommended, or STAT 245 or 246*	2
		3
		3
	21cu from Lists 1-4, with at least 3cu from each list. At least 6cu must be at 300-level or higher.	4
		4
		4
		4
		4

List 1: ACB 331, ANBI 470, ANSC 313, BIOC 300, BIOC 405, BIOC 412, BIOC 420, BIOC 436, BIOC 437, BIOL 226, BIOL 316, BIOL 420, BIOL 421, BMSC 210, BMSC 220, BMSC 230, CHEM 255, MCIM 326, MCIM 417, MCIM 487, PLSC 240, PLSC 411, PLSC 416

List 2: CMPT 214, CMPT 215, CMPT 317, CMPT 350, CMPT 364, CMPT 370, CMPT 381, CMPT 394, CMPT 423, CMPT 463

List 3: MATH 164 (264) or MATH 266, MATH 328, STAT 241, STAT 341, STAT 342, STAT 344, STAT 345, STAT 346, STAT 349

List 4: BIOL 222, BIOL 224, BIOL 302, BIOL 323, BIOL 331, BIOL 342, BIOL 345, BIOL 361, BIOL 436