Program Worksheet: Honours Computer Science and Biology

First Year	BIOL 112 ____ BIOL 121 ____ BIOL 140 or 180 ____ One of CPSC 103, 107, 110, 301 ____ CPSC 121 ____ One of CHEM 111, 121, 141 or 120/115 ____ CHEM 123 or 130/135 ____		*One of:* MATH 100, 102, 104, 110, 120, 180, or 184 ____ *One of:* MATH 101, 103, 105, or 121 ____ CPSC 121 ____	**Communication Requirement 6cr of** WRDS 150; SCIE 113; any of ENGL 100, 110, 111, 112, 120, or 121; SCIE 300 or CHEM 300; APSC 176; LFS 150; Arts One; ASTU 100, 101: _____ and _____	33cr
Second Year	BIOL 200 ____ BIOL 234 ____ BIOL 230 or 260 ____ STAT 200 or BIOL 300 ____	CPSC 210 ____ CPSC 213 ____ CPSC 221 ____ MATH 200 ____	*One of:* CHEM 233 ____ CHEM 235 ____ or CHEM 203 ____ or CHEM223 ____ CHEM 225 ____		34cr
Third Year	BIOL 335 ____ BIOL 336 ____ STAT 302 ____ CPSC 310 ____ CPSC 320 ____	<u>7 credits</u> from: BIOC 302 ____ BIOL 337 ____ BIOC 402 ____ BIOL 340 ____ BIOL 301 ____ BIOL 341 ____ BIOL 331 ____ BIOL 347 ____ BIOL 431 ____ BIOL 433 ____ BIOL 434 ____ BIOL 447 ____	* Bioinformatics or Genomics Electives [6cr] _____ _____ Electives [3cr] _____	65cr
Fourth Year	BIOL 449 or CPSC 449 ____ MICB 405 ____ CPSC numbered 300 or above [6cr]: _____ _____		<u>Two</u> of: CPSC 304 ____ CPSC 313 ____ CPSC 420 ____ CPSC 421 ____ CPSC 445 ____	**Arts Electives [12cr]** _____ _____ _____ _____ _____ _____	
Minimum Total credits					**132cr**

* **Bioinformatics or Genomics Electives** can be upper level BIOC, BIOL, CPSC, MATH, MICB or STAT course. Recommended courses are BIOL 338, 430, 436, 440. Students not taking CPSC 449 must have at least 3 credits of CPSC courses 400 or above out of the 6 credits used to satisfy this requirement.

Faculty of Science Elective Requirements *(May be any level as long as the upper-level requirement of 48 upper-level credits including at least 30 credits from the Faculty of Science is satisfied. Also, up to 18 credits of course work in a faculty other than Science or Arts may be taken for credit.)*
    Arts Electives - 12 credits from the Faculty of Arts
    Electives – May be from any faculty.