**Program Worksheet: Honours Computer Science and Biology**

| First Year | BIOL 112 ____  
|           | BIOL 121 ____  
|           | CPSC 110 or CPSC 103 & 107 ____  
|           | CPSC 121 ____  
|           | CHEM 111/121 ____  
|           | CHEM 123 ____  
|           | One of:  
|           | MATH 100, 102,  
|           | 104, 110, 120, 180,  
|           | or 184 ____  
|           | One of:  
|           | MATH 101, 103,  
|           | 105, or 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:  
|           | __________  
|           | __________  
|           | __________  
|           | 33cr |

| Second Year | BIOL 200 ____  
|            | One of BIOL 233 or 234 ____  
|            | One of BIOL 230 or 260 ____  
|            | CPSC 210 ____  
|            | CPSC 213 ____  
|            | CPSC 221 ____  
|            | CHEM 233 ____  
|            | CHEM 235 ____  
|            | MATH 200 ____  
|            | STAT 200 or BIOL 300 ____  
|           | __________  
|           | __________  
|           | __________  
|           | 34cr |

| Third Year | BIOL 335 ____  
|           | BIOL 336 ____  
|           | STAT 302 ____  
|           | CPSC 310 ____  
|           | CPSC 320 ____  
| 7 credits from:  
|           | BIOC 302 ____  
|           | BIOC 402 ____  
|           | BIOL 301 ____  
|           | BIOL 305 ____  
|           | BIOL 331 ____  
|           | BIOL 341 ____  
|           | 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]:  
|            | __________  
| Two 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.