## Catalogue 2015-16 **Bachelor of Science in Computer Science**

## CS Advisor:

**Student:** 

Minor:\*\*

| Student.  |                |               |          |               | -                        |                  | -         |                 |
|---|----------------|---------------|----------|---------------|--------------------------|------------------|-----------|-----------------|
|   | Course         | Credits       |          |               |                          |                  | Credits   | Satisfies Unive |
| Course # Description  | <u>Credits</u> | <u>Earned</u> | Grade    | Course #      | <b>Description</b>       |                  | Earned    | Requirement?    |
|   |                |               |          |               |                          |                  |           |                 |
| Required Courses  |                |               |          | Ele           | ctive & Distrib          | utional <b>R</b> | Requir    | ements          |
| CS 21 Programming I   | 3              |               |          | HSS Req       | uirements (18 crea       | lits):           |           |                 |
| CS 50 Sem for new CS majors*                                  | 1              |               |          | ALANA, A      | nth, Art Hist., Studie   | s, Art Studi     | o, Classi | ics,            |
| CS 64 Discrete Structures                                     | 3              |               |          |               | , Dance, Econ, Eng, F    |                  |           |                 |
| CS 110 Intermediate Prog.                                     | 4              |               |          |               | ng, Geog, Global Stud    |                  | olocaust  | t <b>.</b>      |
| CS 121 Computer Org   | 3              |               |          | 0             | s, Music, Phil, Pol Sci, |                  |           |                 |
| CS 124 Data Structures  | 3              |               |          | -             | oc, Theatre, Women &     | -                | t., World | d Lit.          |
| CS 125 Computability & Cmplxty                                | 3              |               |          | 0 /           | · · ·                    |                  | Credits   | D1/D2/W/S*      |
| CS 201 Operating Sys  | 3              |               |          |               |                          |                  |           |                 |
| CS 292 Senior Seminar   | 1              |               |          |               |                          |                  |           |                 |
|   |                |               |          |               |                          |                  |           |                 |
| CS Theory: at least one of the followin                       | ř              | ourses:       |          |               |                          |                  |           |                 |
| CS 224 Analysis of Alg  | 3              |               |          |               |                          |                  |           | 1               |
| CS 243 Theory of Computation                                  | 3              |               |          |               |                          |                  |           |                 |
| CS Electives  |                |               |          |               |                          |                  |           |                 |
| $CS \ge 0xx$  | 3              | 1             |          |               |                          |                  |           |                 |
| $CS \ge 1xx$  | 3              | 1             |          |               |                          |                  |           |                 |
| $\frac{CS \ge 1xx}{CS \ge 1xx}$                               | 3              |               |          |               |                          |                  |           |                 |
| $CS \ge 1XX$<br>$CS \ge 2XX$                                  | 3              | 1             |          |               |                          |                  |           |                 |
| $CS \ge 2xx$<br>$CS \ge 2xx$                                  | 3              |               |          |               |                          |                  |           |                 |
| $CS \ge 2xx$<br>$CS \ge 2xx$                                  | 3              |               |          |               |                          |                  |           |                 |
| Subtotal CS (min 44, max 60):                                 | 5              |               |          |               | Subtota                  | l (min 18) :     |           |                 |
| MATH/STAT:  |                |               |          | Credits to R  | each 120 (no PEAC)       | ir (iiiii 10) .  | Credits   | D1/D2/W/S*      |
| Math/STAT:<br>Math 21 Calc I                                  | 4              |               |          | Cicuits to K  | each 120 (10 TEAC)       |                  | Creans    | D1/D2/11/5      |
| Math 22 Calc II   | 4              |               |          |               |                          |                  |           |                 |
| Math Electives: at least two of the follo                     |                | courses       |          |               |                          |                  |           |                 |
| Math 121 Calc III   | 4              | courses.      |          |               |                          |                  |           |                 |
| Math 122 or 124 Linear Algebra                                | 3              |               |          |               |                          |                  |           |                 |
| Math 173 Combinatorial Theory                                 | 3              | 1             | +        |               |                          |                  |           | 1               |
| Math 271 Appl M Eng/Sci                                       | 3              | 1             |          |               |                          |                  |           | 1               |
| Prob & Stat**   | 3-6            | 1             |          |               |                          |                  |           | 1               |
| Subtotal Math & Stat (min 17):                                | 5-0            |               |          |               |                          |                  |           | 1               |
| Science: one sequence from the following 3                    | 3 sequen       | ces:          | 1        |               |                          |                  |           |                 |
| Physics 51 (or 31)  | 4              |               | 1        |               |                          |                  |           | 1               |
| Physics 152 (or 125)  | 3-4            |               | 1        |               |                          | Subtotal:        |           | 1               |
| Chem 31 (or 35)   | 4              | 1             |          |               |                          |                  |           | -               |
| Chem 32 (or 36)   | 4              |               |          | *Students m   | ust also complete the 4  | University Re    | eq's      | (indicate ab    |
| Biol 1 (or BCOR 11)   | 4              |               |          | D1 diversity  |                          |                  |           |                 |
| Biol 2 (or BCOR 12)   | 4              |               |          | D1 or D2 div  | versity                  |                  |           |                 |
| one other Nat Science elec***:                                |                |               |          | W: Writing (  |                          |                  |           |                 |
| Subtotal Natural Science (                                    | min 11)        | :             |          | S: Sustainabi |                          |                  |           |                 |
| +62.50  | taking (       | CS 21 or      | 110. but | **STUDE       | NTS MUST SATISF          | Y MINOR          | REQU      | IREMENTS        |
| *CS 50 is recommended for new majors                          |                |               | .,       | Credit S      | Summary                  |                  |           |                 |
| *CS 50 is recommended for new majors<br>is not required       |                |               |          |               | Summar y                 |                  |           |                 |
| is not required<br>**Stat 143 or one course in statistics (e. |                | 41) and c     | one      |               | edits (71 min):          |                  |           |                 |
| is not required   | it 151)        |               |          | Left col cr   |                          |                  |           |                 |