

# Bachelor of Computer Science (On-line) (CPSC)

The Bachelor of Computer Science is designed as a completer degree, in which non-major coursework is satisfied by acceptable transfer credit, which could include credit earned for a first bachelor's degree at a regionally accredited institution. All students must satisfy the degree requirements as specified in the In-Major Courses and Non-Major Courses below. Students without transfer credit for all the requirements specified in the Non-Major Courses table must consult their academic advisor regarding what courses should be selected to satisfy these requirements. Each In-Major course is offered completely online in 7.5 week terms, with 5 terms per calendar year.

## In-Major Courses

| Term | Course 1                                      | Hours | Course 2                                     | Hours |
|------|---|-------|--|-------|
| 1    | CPSC 1210 Introduction to Computer Science I  | 3     | CPSC 3240 Discrete Structures                | 3     |
| 2    | CPSC 1220 Introduction to Computer Science II | 3     | CPSC 3300 Computer Organization              | 3     |
| 3    | CPSC 1230 Data Structures                     | 3     | CPSC 4730 Computer Ethics                    | 3     |
| 4    | CPSC 3270 Algorithms I                        | 3     | CPSC 2710 Software Construction Fundamentals | 3     |
| 5    | CPSC 3280 Algorithms II                       | 3     | CPSC 3330 Operating Systems                  | 3     |
| 6    | CPSC 3350 Computer Networks I                 | 3     | CPSC 5120 Database I                         | 3     |
| 7    | CPSC 3700 Software Engineering I              | 3     | CPSC 5130 Database II                        | 3     |
| 8    | CPSC 5330 Mobile Application Development I    | 3     | CPSC 5200 Web Development I                  | 3     |
| 9    | CPSC 5210 Web Development II                  | 3     | CPSC Elective                                | 3     |
| 10   | CPSC 5340 Mobile Application Development II   | 3     | CPSC Elective                                | 3     |

## Non-Major Course

| Code                                     | Title                  | Hours      |
|--|------------------------|------------|
| <b>Math (Core)</b>                       |                        | <b>3-4</b> |
| <b>Science (Core)</b>                    |                        | <b>8</b>   |
| Core Science Sequence I                  |                        | 4          |
| Core Science Sequence II                 |                        | 4          |
| <b>Composition and Humanities (Core)</b> |                        | <b>15</b>  |
| ENGL 1100                                | English Composition I  | 3          |
| ENGL 1120                                | English Composition II | 3          |
| Core Fine Art                            |                        | 3          |
| Core Literature                          |                        | 3          |
| Core Humanities                          |                        | 3          |
| <b>Social Science (Core)</b>             |                        | <b>9</b>   |
| Core History                             |                        | 3-6        |
| Core Social Science Elective             |                        | 3-6        |

|                                       |              |
|---------------------------------------|--------------|
| <b>Free Elective (including ROTC)</b> | <b>24-25</b> |
| <b>TOTAL HOURS</b>                    | <b>120</b>   |