

## Certificate in Computer Science Fundamentals

### Sample Plans

All courses are 3 credits

Certificate – start in summer with bootcamp

|        | Summer                 | Fall                   | Winter                 | Spring                 |
|--------|------------------------|------------------------|------------------------|------------------------|
| Year 1 | CPSC 5001<br>CPSC 5002 | CPSC 5005<br>CPSC 5021 | CPSC 5011<br>CPSC 5041 | CPSC 5031<br>CPSC 5042 |
| Year 2 |                        | Start MSCS             |                        |                        |

Certificate – start in winter with bootcamp

|        | Summer | Fall                   | Winter                 | Spring                 |
|--------|--------|------------------------|------------------------|------------------------|
| Year 1 |        |                        | CPSC 5001<br>CPSC 5002 | CPSC 5005<br>CPSC 5021 |
| Year 2 |        | CPSC 5011<br>CPSC 5041 | CPSC 5031<br>CPSC 5042 | Start MSCS             |

### Course Frequencies

|           |                                 | Cr | Summer | Fall | Winter | Spring |
|-----------|---------------------------------|----|--------|------|--------|--------|
| CPSC 5001 | Programming Boot Camp I         | 3  | x      |      | x      |        |
| CPSC 5002 | Programming Boot Camp II        | 3  | x      |      | x      |        |
| CPSC 5005 | Data Structures                 | 3  |        | x    |        | x      |
| CPSC 5011 | Object-Oriented Concepts        | 3  |        | x    | x      |        |
| CPSC 5021 | Database Systems                | 3  |        | x    |        | x      |
| CPSC 5031 | Algorithms                      | 3  |        |      | x      | x      |
| CPSC 5041 | Computing Systems Principles I  | 3  |        | x    | x      |        |
| CPSC 5042 | Computing Systems Principles II | 3  |        |      | x      | x      |