

Required Courses (29 credits)

- CPSC 5200
Software System Design
- CPSC 5800
Ethics
- 1 Course in Systems
- 1 Course in Applied Algorithms
- 1 Course in Software Development

- Course Option
- or
- Research Option
- CPSC 5890
Seminar + Breadth Elective
 - CPSC 5990
Graduate Research Project

Breadth Electives (15 credits)

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| CPSC 5210
Software Testing and Debugging | CPSC 5230
Design Patterns and Refactoring | CPSC 5910
Special Topics |
| CPSC 5510
Computer Networks | CPSC 5520
Distributed Systems | CPSC 5530
Embedded Systems |
| CPSC 5240
Software as a Service | CPSC 5610
Artificial Intelligence | CPSC 5710
Security in Computing |
| CPSC 5400
Compiler Principles | CPSC 5700
Computer Graphics | CPSC 5600
Parallel Computing |
| | | CPSC 5300
Physical Database |

General Electives (3 credits)

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| SEGR 5310
Data Mining and Analytics | SEGR 5300
Data Arch. for Analytics | CPSC 5950
Internship |
| SEGR 5210
Software Testing | SEGR 5220
User Experience Design | |