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

Breadth Electives (15 credits)
- CPSC 5210 Software Testing and Debugging
- CPSC 5230 Design Patterns and Refactoring
- CPSC 5510 Computer Networks
- CPSC 5520 Distributed Systems
- CPSC 5240 Software as a Service
- CPSC 5610 Artificial Intelligence
- CPSC 5400 Compiler Principles
- CPSC 5700 Computer Graphics
- CPSC 5530 Embedded Systems
- CPSC 55700 Security in Computing
- CPSC 5600 Parallel Computing
- CPSC 5300 Physical Database

General Electives (3 credits)
- SEGR 5310 Data Mining and Analytics
- SEGR 5300 Data Arch. for Analytics
- SEGR 5210 Software Testing
- SEGR 5220 User Experience Design

Course Option
- CSCP 5890 Seminar + Breadth Elective

Research Option
- CSCP 5990 Graduate Research Project

CPSC 5910 Special Topics

CPSC 5710 Security in Computing

CPSC 5600 Parallel Computing

CPSC 5300 Physical Database

CPSC 5950 Internship