## Track 1: Algorithms and Theory

- ✔ CPSC 411 ____________________________ Analysis of Algorithms
- ( ) CPSC 433 ____________________________ Formal Languages and Automata
- ( ) CPSC 440 ____________________________ Quantum algorithms
- ( ) CPSC 442 ____________________________ Scientific Programming

## Track 2: Systems

- ( ) CPSC 410** ____________________________ Operating Systems
- ( ) CPSC 421* ____________________________ Computer Architecture
- ( ) CPSC 456 ____________________________ Real-Time Computing
- ( ) CPSC 462 ____________________________ Microcomputer Systems
- ( ) CPSC 463 ____________________________ Networks & Distributed Prog.
- ( ) CPSC 469 ____________________________ Advanced Computer Architecture

## Track 3: Software

- ( ) CPSC 431 ____________________________ Software Engineering
- ( ) CPSC 432* ____________________________ Programming Language Design
- ( ) CPSC 434 ____________________________ Complier Design
- ( ) CPSC 437 ____________________________ Engineering Software Products
- ( ) CPSC 438 ____________________________ Distributed Objects Programming

## Track 4: Information and intelligent Systems

- ( ) CPSC 409* ____________________________ Database Systems
- ( ) CPSC 420 ____________________________ Artificial Intelligence
- ( ) CPSC 436 ____________________________ Computer-Human Interaction
- ( ) CPSC 441 ____________________________ Computer Graphics
- ( ) CPSC 444 ____________________________ Structures of Interactive Information
- ( ) CPSC 452 ____________________________ Robotics and Spatial Intelligence
- ( ) CPSC 470 ____________________________ Information Storage and Retrieval

### Notes:
- Students must take CPSC 411 and six additional courses from the list above.
- At least one course from each track must be taken.
- At least three courses from one track (of the student's choosing) must be taken.
- The seventh course can be from any track.
- The required course, CPSC 411 (Analysis of Algorithms) counts as one of the courses from the Algorithms and Theory track.
- Prerequisites will still prevail for all courses. Consult the undergraduate catalog for details.
- Approved special topics course (CPSC 489) and graduate courses may be used to fulfill these requirements; each such course will be classified with respect to the tracks; see advisor.
- **CPSC 410 taken before Spring 2009 will not fill this requirement. See the advising office first.
- *This course number is not yet finalized and may change. See the advising office.