

CPSC Upper Level Track

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 _____ Compiler 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.