

CPSC Upper Level Track

Track 1: Algorithms and Theory

- CSCE 411 _____ Analysis of Algorithms
- CSCE 433 _____ Formal Languages and Automata
- CSCE 440 _____ Quantum algorithms
- CSCE 442 _____ Scientific Programming

Track 2: Systems

- CSCE 410** _____ Operating Systems
- CSCE 421* _____ Computer Architecture
- CSCE 456 _____ Real-Time Computing
- CSCE 462 _____ Microcomputer Systems
- CSCE 463 _____ Networks & Distributed Prog.
- CSCE 469 _____ Advanced Computer Architecture

Track 3: Software

- CSCE 431 _____ Software Engineering
- CSCE 432* _____ Programming Language Design
- CSCE 434 _____ Compiler Design
- CSCE 437 _____ Engineering Software Products
- CSCE 438 _____ Distributed Objects Programming

Track 4: Information and intelligent Systems

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

Notes:

- Students must take CSCE 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, CSCE 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 (CSCE 489) and graduate courses may be used to fulfill these requirements; each such course will be classified with respect to the tracks; see advisor.
- **CSCE 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.