

## CPSC Upper Level Track

### Track 1: Algorithms and Theory

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<input checked="" type="checkbox"/> CSCE 411	_____	Analysis of Algorithms
<input type="checkbox"/> CSCE 433	_____	Formal Languages and Automata
<input type="checkbox"/> CSCE 440	_____	Quantum Algorithms
<input type="checkbox"/> CSCE 442	_____	Scientific Programming

### Track 2: Systems

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<input type="checkbox"/> CSCE 410 <sup>***</sup>	_____	Operating Systems
<input type="checkbox"/> CSCE 421 <sup>*</sup>	_____	Computer Architecture
<input type="checkbox"/> CSCE 456 <sup>#</sup>	_____	Real-Time Computing
<input type="checkbox"/> CSCE 462	_____	Microcomputer Systems
<input type="checkbox"/> CSCE 463	_____	Networks & Distributed Prog.
<input type="checkbox"/> CSCE 464	_____	Wireless and Mobile Systems
<input type="checkbox"/> CSCE 465	_____	Computer & Network Security
<input type="checkbox"/> CSCE 469 <sup>#</sup>	_____	Advanced Computer Architecture

### Track 3: Software

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<input type="checkbox"/> CSCE 431	_____	Software Engineering
<input type="checkbox"/> CSCE 432 <sup>*</sup>	_____	Programming Language Design
<input type="checkbox"/> CSCE 434	_____	Compiler Design
<input type="checkbox"/> CSCE 435	_____	Parallel Computing
<input type="checkbox"/> CSCE 438	_____	Distributed Objects Programming

### Track 4: Information and intelligent Systems

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<input type="checkbox"/> CSCE 310 <sup>**</sup>	_____	Database Systems
<input type="checkbox"/> CSCE 420	_____	Artificial Intelligence
<input type="checkbox"/> CSCE 436	_____	Computer-Human Interaction
<input type="checkbox"/> CSCE 441	_____	Computer Graphics
<input type="checkbox"/> CSCE 443	_____	Game Development
<input type="checkbox"/> CSCE 445	_____	Computers and New Media
<input type="checkbox"/> CSCE 444	_____	Structures of Interactive Information
<input type="checkbox"/> CSCE 452	_____	Robotics and Spatial Intelligence
<input type="checkbox"/> 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.
- <sup>\*</sup>This course number is not yet finalized and may change. See the advising office.
- <sup>\*\*</sup>CSCE 310 may be replaced with CSCE 409 in the future. See the advising office.
- <sup>\*\*\*</sup>CSCE 410 taken before Spring 2009 will not fill this requirement.
- <sup>#</sup>This course is not being taught on a regular basis.