

Graduate International Pathway: Computer Science track

Course Options

- **CS 5523. Operating Systems. (3-0) 3 Credit Hours.**
 - **Course description:** Prerequisites: CS 3733 and CS 3853. Operating systems concepts with an emphasis on distributed systems. Topics include process management and threads, inter-process communication, distributed objects and remote invocation, distributed naming and directory services, distributed file systems, middleware such as CORBA, access control and security.
 - **Semesters available:** Fall, spring.

- **CS 5633. Analysis of Algorithms. (3-0) 3 Credit Hours.**
 - **Course description:** Prerequisite: CS 3343. Models of computation and algorithm design and analysis techniques such as divide-and-conquer, greedy algorithms, dynamic programming, graph algorithms, amortized analysis.
 - **Semesters available:** Fall, spring.

- **CS 5513. Computer Architecture. (3-0) 3 Credit Hours.**
 - **Course description:** Prerequisites: CS 3733 and CS 3853. Study of modern computer architecture, including parallel computers, multiprocessors, pipelines, and fault tolerance.
 - **Semesters available:** Fall.