

## CMPSC 4000 Algorithms

3 hours

### Departments/Programs:

Physics, Astronomy, and Computer Science

A systematic study of the analysis and design of algorithms, particularly those used for complex data structures and non-numeric processes. Topics include analysis of complexity, complexity classes, dynamic programming, automata-based algorithms, backtracking, and parallel algorithms.

*Prerequisite(s):* Grades of "C" or better in CMPSC-2410.