

Course:

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 Data Structures*.