

**Course:**

**CMPSC 255 Algorithms**

**3 hours**

**Departments/Programs:**

Mathematics 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 100 Discrete Mathematics and CMPSC 140 Data Structures.*

(Normally offered alternate years.)