

# ECE 2160: C++ Algorithms & Data Struct

C++ classes access rules, inheritance, friends, abstract classes, templates, passing parameters by value, by reference, polymorphism in functions and operators, static and dynamic binding, searching, sorting; pointer implementation of lists, stacks, queues, trees, analysis of algorithms; P, NP, Undecidable problems.

**Credits:** 3

**Prerequisites:**

ECE 1260

ECE 1261

ECE 1260 and ECE 1261

**Co-Requisites:**

ECE 2161

ECE 2161

**Program:** [Electrical and Computer Engineering](#)