

## CIS-17C — C++ PROGRAMMING: DATA STRUCTURES

---

### About This Course

**Transfer:** UC, CSU

3.00 units

**Prerequisite:** None., **Advisory:** CIS/CSC-17A.

**Description:** This course offers a thorough presentation of the essential principles and practices of data structures using the C++ programming language. The course emphasizes abstract data types, software engineering principles, lists, stacks, queues, trees, graphs, and the comparative analysis of algorithms. 54 hours lecture and 18 hours laboratory. (TBA option) (Same as CSC-17C) (Letter Grade, or Pass/No Pass option.)