

CIS 252 Introduction to Data Structures - C++

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Design and implementation of larger projects using object-oriented software engineering principles with emphasis on definition and use of data structures including: arrays, stacks, queues, linked lists, trees, hash tables, dictionaries, sets and graphs. Standard methods are used for sorting, searching and analyzing the relative efficiency of algorithms (Big-O notation). This course conforms to the ACM CS2 standards. *Letter Grade Only. Degree Credit.*

Units: 3

Hours/semester: 48-54 Lecture; 96-108 Homework

Prerequisites: CIS 250 or similar preparation to succeed in the course. To override the prerequisite, speak to an academic counselor

Transfer Credit: CSU, UC

C-ID: COMP 132

