

Data Structures and Algorithms - CS206

Section: CS206 002261S Main Campus

Credit Hours: 3.00

Course Description: A study of common data and program structures together with associated algorithms. Topics include interfaces, and introduction of the concept of data abstraction and information hiding, design patterns, arrays, stacks, queues, lists, trees, heaps, hash tables, recursion, binary search, and tree traversals. Experience with both use and implementation of these structures and algorithms using a modern programming language. Discussion of tradeoffs involving performance and software maintainability.

Course Notes: Students who have not taken the prerequisite courses must get departmental consent to take this course.

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WHEN Start Date: 08/20/2026 End Date: 12/10/2026

Days:

TR

1:10 PM - 2:40 PM

Campus: Main Campus

Building: Shears Technology Center

Room: STC130

INSTRUCTOR

NABIL ABDULLAH

BOOKS

Title: DATA STRUCTURES AND ALGORITHMS IN JAVA 6TH Edition

Author: GOODRICH

Required: Yes