## Data Structures and Algorithms - CS206

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**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 date 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