

COURSE DETAIL

ALGORITHMS AND DATA STRUCTURES

Country

New Zealand

Host Institution

University of Auckland

Program(s)

University of Auckland

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

120

UCEAP Course Suffix**UCEAP Official Title**

ALGORITHMS AND DATA STRUCTURES

UCEAP Transcript Title

ALGORITHMS & DATA

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course is an introduction to the analysis of algorithms and data structures. It covers common abstract data types and their implementations, asymptotic complexity analysis, sorting and searching algorithms, depth-first and breadth-first search and applications, and graph optimization problems.

Language(s) of Instruction

English

Host Institution Course Number

COMPSCI 220

Host Institution Course Title

ALGORITHMS AND DATA STRUCTURES

Host Institution Course Details

https://study.auckland.ac.nz/ords/r/uoa/catalogue/course?p6_code=COMPSCI%20220&...

Host Institution Campus

Auckland

Host Institution Faculty

Host Institution Degree

Host Institution Department

Computer Science

Course Last Reviewed

2026-2027

[Print](#)