

# COURSE DETAIL

## ALGORITHMS AND DATA STRUCTURES

**Country**

Japan

**Host Institution**

International Christian University

**Program(s)**

International Christian University

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Computer Science

**UCEAP Course Number**

118

**UCEAP Course Suffix****UCEAP Official Title**

ALGORITHMS AND DATA STRUCTURES

**UCEAP Transcript Title**

ALGRTHM&DATA STRUCT

**UCEAP Quarter Units**

4.00

**UCEAP Semester Units**

2.70

## Course Description

This course teaches various algorithms and data structures. As the basis of computer science, it is one of the problems in the Fundamental Information Technology Engineer Examination and is a topic that frequently appears in recruitment (coding interviews) for software engineers.

Students will be able to master computational concepts such as computational complexity and be able to implement algorithms. In addition, students will be able to design algorithms.

### Language(s) of Instruction

Japanese

### Host Institution Course Number

ISC221J

### Host Institution Course Title

ALGORITHMS AND DATA STRUCTURES

### Host Institution Campus

International Christian University

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

Information Science

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