

# COURSE DETAIL

## INTRODUCTION TO COMPUTATIONAL THINKING

**Country**

Singapore

**Host Institution**

Nanyang Technological University

**Program(s)**

Nanyang Technological University

**UCEAP Course Level**

Lower Division

**UCEAP Subject Area(s)**

Bioengineering

**UCEAP Course Number**

15

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

INTRODUCTION TO COMPUTATIONAL THINKING

**UCEAP Transcript Title**

INTRO COMP THINKING

**UCEAP Quarter Units**

4.50

**UCEAP Semester Units**

3.00

## Course Description

This course is designed for students with no prior experience of thinking in a computational manner. Students examine computational thinking as a problem-solving process with the aid of a computer, i.e. formulating a problem and expressing its solution in such a way that a computer can effectively carry it out. By the end of the course, students will be able to derive simple algorithms and code the programs to solve some basic problems in the bioengineering domain.

## Language(s) of Instruction

English

## Host Institution Course Number

BG2211

## Host Institution Course Title

INTRODUCTION TO COMPUTATIONAL THINKING

## Host Institution Course Details

[https://wis.ntu.edu.sg/webexe/owa/aus\\_subj\\_cont.main](https://wis.ntu.edu.sg/webexe/owa/aus_subj_cont.main)

## Host Institution Campus

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

Bioengineering

## Course Last Reviewed

2025-2026

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