

# COURSE DETAIL

## PRINCIPLES OF CYBERSECURITY

**Country**

Hong Kong

**Host Institution**

Hong Kong University of Science and Technology (HKUST)

**Program(s)**

Hong Kong University of Science and Technology

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Computer Science

**UCEAP Course Number**

132

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

PRINCIPLES OF CYBERSECURITY

**UCEAP Transcript Title**

CYBERSECURITY

**UCEAP Quarter Units**

4.50

**UCEAP Semester Units**

3.00

## Course Description

This course is an introduction to the principles of cybersecurity. Cybersecurity, also called computer security or IT security, refers to the study of techniques to protect computing systems from attacks that threaten data confidentiality, system integrity and availability. By modeling, analyzing, and evaluating the security of computer systems, students will learn to find weaknesses in software, hardware, networks, data storage systems, mobile applications, and the Internet, and identify current security practices and defenses to protect these systems.

## Language(s) of Instruction

English

## Host Institution Course Number

COMP3632

## Host Institution Course Title

PRINCIPLES OF CYBERSECURITY

## Host Institution Course Details

## Host Institution Campus

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

Computer Science and Engineering

## Course Last Reviewed

2023-2024

[Print](#)