

# COURSE DETAIL

## ADVANCED COMPUTER ARCHITECTURE

**Country**

United Kingdom - England

**Host Institution**

Imperial College London

**Program(s)**

Imperial College London

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Computer Science

**UCEAP Course Number**

171

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

ADVANCED COMPUTER ARCHITECTURE

**UCEAP Transcript Title**

ADV COMP ARCHITECTR

**UCEAP Quarter Units**

5.00

**UCEAP Semester Units**

3.30

## Course Description

The course teaches students a thorough understanding of high-performance and energy-efficient computer architecture. Students learn principles and techniques for evaluating architectural proposals, explore how knowledge of computer architecture informs software performance engineering, and gain a deep understanding of topical trends in advanced computer architecture, compiler design, operating systems, and parallel processing

## Language(s) of Instruction

English

## Host Institution Course Number

60001

## Host Institution Course Title

ADVANCED COMPUTER ARCHITECTURE

## Host Institution Course Details

<https://www.imperial.ac.uk/computing/current-students/courses/60001/>

## Host Institution Campus

Kensington

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

Computing

## Course Last Reviewed

2023-2024

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