

COURSE DETAIL

ADVANCED COMPUTER ARCHITECTURE

Country

United Kingdom - England

Host Institution

University of Bristol

Program(s)

University of Bristol

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

148

UCEAP Course Suffix**UCEAP Official Title**

ADVANCED COMPUTER ARCHITECTURE

UCEAP Transcript Title

ADV COMP ARCHITCTUR

UCEAP Quarter Units

8.00

UCEAP Semester Units

5.30

Course Description

This course introduces a range of advanced topics in computer architecture, focusing mainly on high performance processors but including recent or hot topics (e.g., low-power design, wide vector units etc.). Students learn how various design decisions can improve quality (according to a metric such as performance, area or power consumption) which extends the output of previous units that focus mainly on functionality.

Language(s) of Instruction

English

Host Institution Course Number

COMS30046

Host Institution Course Title

ADVANCED COMPUTER ARCHITECTURE

Host Institution Course Details

<https://www.bris.ac.uk/unit-programme-catalogue/UnitDetails.jsa?ayrCode=26%2F27...>

Host Institution Campus

Host Institution Faculty

School of Computer Science

Host Institution Degree

Host Institution Department

Course Last Reviewed

2025-2026

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