

COURSE DETAIL

IMAGE PROCESSING AND COMPUTER VISION

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

142

UCEAP Course Suffix

N

UCEAP Official Title

IMAGE PROCESSING AND COMPUTER VISION

UCEAP Transcript Title

IMAGE PROCES&VISION

UCEAP Quarter Units

4.00

UCEAP Semester Units

2.70

Course Description

The course is an introduction to image processing and computational vision: the theory, principles, techniques, algorithms, and applications. Image processing allows the analysis and enhancement of images/videos, while computer vision facilitates the understanding of the content of images/videos. Application areas are far-reaching and wide, from data compression to measuring the quality of performing actions by humans. The techniques in image processing and computer vision may be used in autonomous driving, medical imaging, CGI, remote sensing, pedestrian behavior analysis, facial recognition and regeneration, traffic analysis, biometrics, product quality assurance, and much more.

Language(s) of Instruction

English

Host Institution Course Number

COMS30030

Host Institution Course Title

IMAGE PROCESSING AND COMPUTER VISION

Host Institution Course Details

<https://www.bristol.ac.uk/unit-programme-catalogue/UnitDetails.jsa?ayrCode=25%2...>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Computer Science

Course Last Reviewed

2025-2026

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