

COURSE DETAIL

SCIENTIFIC COMPUTING IN PYTHON (LEVEL 2)

Country

United Kingdom - England

Host Institution

University College London

Program(s)

Summer at University College London

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

120

UCEAP Course Suffix

S

UCEAP Official Title

SCIENTIFIC COMPUTING IN PYTHON (LEVEL 2)

UCEAP Transcript Title

SCI COMPUTNG/PYTHON

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

Python has rapidly become the standard in scientific computing. It is however much more than that, receiving much excitement about the application of Python to finance, medicine, mobile technology, online gaming, film industry. Its appeal continues to grow in both academia and industry. Much of the advances of medical technology has been due to Python. This is a an intensive Python programming course with numerous medical and health-based applications. Due to the transferability of these skills, students also study examples from investment banking and quantitative finance. The course assumes no prior knowledge of the Python programming language. However, an interest in biomedicine/health is essential.

Language(s) of Instruction

English

Host Institution Course Number

ISSU0069

Host Institution Course Title

SCIENTIFIC COMPUTING IN PYTHON (LEVEL 2)

Host Institution Course Details

<https://www.ucl.ac.uk/prospective-students/summer-school/modules/scientific-com...>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Mathematics

Course Last Reviewed

2025-2026

[Print](#)