Computing Science and Physics

University of Glasgow

Venues

Gilmorehill Campus

Content

Computing science is wide-ranging: from programming and engineering large software systems, to the design and evaluation of human–computer interfaces, algorithms, computer and network systems, artificial intelligence, information retrieval and big data systems.

Year 1: There is a substantial emphasis on programming, which we view as a fundamental skill. We mostly use the Python language. We also provide a broad introduction to other key areas of the subject, including computer systems, databases, and human–computer interaction.

You will also study two other subjects in year 1 according to your interests: see Degrees in Arts, Science and Social Sciences.

Year 2: You will study Java programming, object-oriented software engineering, data structures and algorithms, algorithmic foundations, computer networks, operating systems and web application development.

You will also study one or two other subjects in year 2 according to your interests: see Degrees in Arts, Science and Social Sciences.

Years 3, 4 and 5: If you successfully complete the courses in first and second years, you may move on to Honours (years three and four). You will cover the essential aspects of computing science in breadth and depth by the end of third year. In fourth year you will specialise in chosen areas. Together with team projects and a substantial individual project, the programme provides excellent preparation for professional computing scientists.

Computing Science can be taken as an MSci, which includes an additional year. Students on the MSci programme follow the BSc Honours degree programme up to the end of their fourth year of study. This is followed in fifth year by additional advanced modules and a substantial research-oriented project.

Start Date

September

Qualification

Degree

Study Method

Full time

Award Title

MSci

UCAS Code

IF13

Course Length

5 years

Faculty

College of Science and Engineering

Department

School of Computing Science

Entry Requirements

2027 entry requirements
Standard entry: 6 Highers at AAAAAA (by end S6 with min AAABB after S5) including Maths at A (and Computing Science if Maths not achieved at A in S5). Advanced Higher Maths preferred.

Widening access entry: 4 Highers at AABB/ABBB (by end of S6) including Maths at A (and Computing Science if Maths not achieved at A in S5). Advanced Higher Maths preferred. Completion of a pre-entry programme.

SCQF Level

11

Progression Routes

«ProgressionRoutes»

Combination Courses

«htmlCombinationCourse» «htmlCombinationUCASCode»

Address

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Website

www.gla.ac.uk