Computing

University of Aberdeen

Venues

Old Aberdeen Campus

Content

First Year: First year students focus on the foundations of Computing Science, including: how to design and implement programs; relevant mathematical concepts and some of the grand challenges of Computing. They also study two other subjects, depending on their degree choice.

Second Year: In second year, students are introduced to core topics in modern computing, with courses in Algorithmic Problem Solving, Data Management and Human Computer Interaction. Students further develop significant programming skills in a number of languages, and also gain a deeper understanding of related issues.

Third and Fourth Year (Honours): The third year includes a year-long Software Engineering Project. Working in teams, students develop a major software system, from an initial analysis to the final delivery. The course emphasises interpersonal teamwork skills as strongly as technical topics. Taught courses cover essential computing topics relevant to the chosen degree, with all Single Honours (Computing) students studying Knowledge-Based Systems, Distributed Systems and Security, Operating Systems, Adaptive Interactive Systems, Languages and Computability and Enterprise Computing.

The fourth year also involves a substantial project, but this time students work individually on a specific topic of interest to them; most projects are research-related, and some involve working with local companies. Many of the taught courses are also related to research activity, including Semantic Web Engineering, Peer-to-Peer and Agent-Based Computing, eScience and Natural Language Processing.

Industrial Placement: Industrial Placements are taken between third and fourth year, or after fourth year.

Start Date

September

Qualification

Degree

Study Method

Full time

Award Title

MA Hons

UCAS Code

G402

Course Length

4 years

Faculty

Arts and Social Sciences

Department

Social Science

Entry Requirements

2025 entry requirements:

Standard entry:
4 Highers at BBBB (by end of S5) plus English at National 5. Those with Highers at BBB by end of S5 are encouraged to apply.

Entry to year 2 may be possible with 3 Advanced Highers at ABB including Computing Science at A.

Widening access entry:
2 Highers at BB (by end of S5). Additional Highers/Advanced Highers in S6.

1 Foundation Apprenticeship is accepted in place of a Higher.

SCQF Level

10

SCQF Points

«SCQFPoints»

Progression Routes

Professional Accreditation: British Computer Society

Combination Courses

«htmlCombinationCourse» «htmlCombinationUCASCode»

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