

Computer Science

University of Edinburgh

Venues

Central Campus

Content

This MSc offers you the opportunity to obtain specialist knowledge in the design, analysis, implementation, and use of computer systems ranging from the components of a single processor to computer networks as vast as the Internet. You can also pursue a more theoretical direction by choosing courses in areas such as algorithms, programming languages, cryptography or quantum informatics.

The programme provides a solid foundation in theoretical understanding and a wide variety of practical techniques applicable in many career settings.

Start Date

September

Qualification

Postgraduate Master's

Study Method

Full time

Award Title

MSc

Course Length

1 year

Faculty

College of Science and Engineering

Department

Informatics

Entry Requirements

A UK 2:1 honours degree, or its international equivalent, in informatics, artificial intelligence, cognitive science, computer

science, electrical engineering, mathematics, physics or another quantitative discipline.

Competent programming skills are essential. During your degree you must have completed a programming course in at least one of the following: C/C++, Java, Python, R, Matlab, Haskell, ML.

During your degree you must have completed the equivalent to 60 credits of mathematics that have typically covered the following subjects/topics: Calculus (differentiation and integration), Linear Algebra (vectors and multi-dimensional matrices), Discrete Mathematics and Mathematical reasoning (eg. Induction and reasoning, Graph theoretic models, proofs), and Probability (concepts in discrete and continuous probabilities, Markov Chains etc.)

SCQF Level

11

Progression Routes

«ProgressionRoutes»

Combination Courses

«htmlCombinationCourse»

«htmlCombinationUCASCode»

Address

Old College
 South Bridge
 Edinburgh
 City of Edinburgh
 EH8 9YL

Website

www.ed.ac.uk