Machine Learning, Mathematics and Statistics

University of Glasgow

Venues

Gilmorehill Campus

Content

Year 1
You will choose between two pathways depending on prior programming experience. All students study Computing Science (40 credits), Mathematics (40 credits), and are recommended to take Statistics (40 credits), building a strong foundation for advanced study.

Year 2
You will deepen your understanding of core topics including algorithms, data structures, calculus, linear algebra, and statistical inference. Programming and mathematical modelling are integrated into coursework.

You may also study other subjects in years 1 and 2: see Flexible degrees.

Years 3 and 4
If you progress to Honours (years 3 and 4), study will focus on advanced machine learning, deep learning, optimisation, and statistical modelling. You will engage in independent research, ethical AI discussions, and interdisciplinary applications in fields like health, finance, and robotics.

For the MSci, in years 4 and 5 you will choose courses listed at Level 4 (SCQF 9) and Level 5 (SCQF 10) in the Mathematics & Statistics, and Computing Science course catalogues. Some options will require that you have studied certain subjects beforehand.

Start Date

September

Qualification

Degree

Study Method

Full time

Award Title

MSci

UCAS Code

G501

Course Length

5 years

Faculty

College of Science and Engineering

Department

School of Mathematics and Statistics

Entry Requirements

2027 entry requirements
Standard entry: 5 Highers at AAAAA (by end S6 with min BBBB after S5) including Maths and a science subject at A.

Widening access entry: 4 Highers at AABB/BBBB (by end S6) including Maths and a science subject. Completion of pre-entry programme is necessary.

SCQF Level

10

Progression Routes

«ProgressionRoutes»

Combination Courses

«htmlCombinationCourse» «htmlCombinationUCASCode»

Address

University Avenue
Glasgow
G12 8QQ

Website

www.gla.ac.uk