

Computational Mathematics

Heriot-Watt University

Venues

Edinburgh Campus

Content

Accurate and efficient scientific computations lie at the heart of most cross-discipline collaborations. It is vital that such computations are performed in a stable, efficient manner and that the numerics converge to the true solutions of the dynamics of the physics, chemistry or biology in the problem.

The programme closely follows the structure of our MSc in Applied Mathematical Sciences and is designed to equip students with the skill to perform efficient and accurate computer simulations in a wide variety of applied mathematics, physics, chemical and industry related problems.

Students will undertake research projects with a strong computational element. Examples include subjects such as Spectral Pollution, Domain Decomposition, Contamination of Groundwater, Oil Reservoir Simulation, Computational Neuroscience and Uncertainty Estimation and other cutting-edge topics.

You can exit at the end of 18 months with PgDip Computational Mathematics.

Start Date

September

Qualification

Postgraduate Master's

Study Method

Part time (day)

Award Title

MSc

Course Length

24 months

Faculty

School of Mathematical and Computer Sciences

Department

Mathematics

Entry Requirements

A good Honours degree in mathematics, statistics or a related subject with a substantial mathematical content is desired.

SCQF Level

11

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Website

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