

Actuarial Management with Data Science

Heriot-Watt University

Venues

Edinburgh Campus

Content

Taking our MSc in Actuarial Management with Data Science is a great way to speed your progress to this most prestigious of careers - it's designed to take you almost all of the way to qualification. Our MSc in Actuarial Management is an established and successful programme covering the more advanced actuarial subjects. The MSc in Actuarial Management with Data Science introduces exciting new opportunities for actuaries of the future.

Entry to the actuarial profession is by a demanding series of examinations, but the rewards after qualifying are great. The Institute and Faculty of Actuaries in the UK has four levels of examinations to qualify. The first level, the Core Principles (CS, CM and CB) subjects, are taught in our BSc or MSc in Actuarial Science and lead to exemptions from subjects CS1, CS2, CM1, CM2, CB1 and CB2. Students will typically study CP1, CP2, CP3, two SP subjects (two SP subjects are needed to satisfy the profession's requirements) and two courses on data science applied to insurance.

Actuarial data science combines advanced statistical modelling and analysis with modern computational techniques in order to analyse potentially large datasets arising in insurance and finance. These analyses have the ability to improve forecasts and enhance decision making in an uncertain environment where rapid advancements in technology and data availability are transforming fields of actuarial work. Additionally, they are building synergies with new sectors such as medical and healthcare. This is an area of science and technology that is attracting significant interest and that will continue to grow for the foreseeable future, as more and more industries adopt data-driven and data-centric approaches.

You can exit at the end of 6 months with PgCert Actuarial Management with Data Science.

You can exit at the end of 9 months with PgDip Actuarial Management with Data Science.

Start Date

September

Qualification

Postgraduate Master's

Study Method

Full time

Award Title

MSc

Course Length

12 months

Faculty

School of Mathematical and Computer Sciences

Department

Actuarial Mathematics and Statistics

Entry Requirements

Entry requires a strong Bachelors or Masters degree with a substantial actuarial content and covering a sufficient number of the Core Technical subjects CT1 to CT8 of the professional actuarial examinations.

A willingness to work hard and a drive to succeed are also important prerequisites.

If you have not already passed most or all of the Core Technical subjects (CT1 to CT8) then please refer to our MSc in Actuarial Science.

SCQF Level

11

Progression Routes

«ProgressionRoutes»

Combination Courses

«htmlCombinationCourse»

«htmlCombinationUCASCode»

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