

## Mathematics with Finance

Heriot-Watt University

### Venues

Edinburgh Campus

### Content

This popular course meets the high demand for mathematically trained graduates who are aware of the operation of international finance, investment and capital markets, and able to combine expertise in these areas. The course combines courses in mathematics from a foundation level up to the edge of current research with courses in all the key areas of modern finance. Graduates will be able to contribute at the highest level to financial analysis and decision making.

Year 1: Has been designed to ease the transition from school to university You will take courses in calculus and algebra which continue the study of these subjects already studied in school while also taking courses introducing statistics and finance.

Year 2: You will continue your study of calculus and algebra, taking courses in multivariable calculus and real analysis and linear algebra. In addition you will start the study of financial mathematics and numerical analysis.

Year 3: You will study abstract algebra, ordinary differential equations and complex analysis. As well as these subjects, you will study international bond and currency markets, financial derivatives and have a choice of courses in pure and applied mathematics and numerical analysis.

Year 4: You will study securities and derivatives as well as having a wide choice of courses in both pure and applied mathematics.

### Start Date

September

### Qualification

Degree

### Study Method

Full time

### Award Title

BSc Hons

## UCAS Code

G1N3

## Course Length

3 - 4 years

## Faculty

School of Mathematical and Computer Sciences

## Department

Mathematics

## Entry Requirements

2020 entry requirements:

Standard entry: 5 Highers at ABBBB including Maths at A plus English at National 5.

Widening access entry: 4 Highers at BBBC including Maths at B plus English at National 5.

For entry to Level 2 you would require 3 Advanced Highers at ABB including Maths at A plus Highers at ABBBB.

## SCQF Level

10

## Address

Edinburgh  
EH14 4AS

## Website

[www.hw.ac.uk](http://www.hw.ac.uk)