MATHEMATICS
BSc (Hons)

UNIVERSITY of
STIRLING

ARE YOU STIRLING?
WHY STUDY MATHEMATICS OR APPLIED MATHEMATICS?

Do you enjoy numbers the way others enjoy music, poetry or art?

Mathematical training develops both specific skills and broad analytical expertise, which are valued across all professions; and there is a particular demand for graduates who not only have quantitative skills, but also know how to use them.

Our courses deliver that sought-after combination – both through our teaching style and our focus on real-world applications of both mathematical and statistical techniques. For instance, you will use the mathematics computing laboratories as an integral part of your learning process, making your study as much experimental as theoretical.

Our Mathematics and Statistics lecturers provide a stimulating and supportive learning environment and we have a strong and active research group. Its major interest is the application of mathematics to biology, economics and life sciences, and we offer combined Honours degrees in the relevant disciplines.

REASONS TO CHOOSE THIS COURSE

1. MORE THAN JUST A DEGREE

Employers increasingly look for research experience and extracurricular activities in addition to a good degree. We have been entering teams of students in ‘The Mathematical Contest In Modeling’ with great success since 2011. This offers students the chance to develop skills that employers are looking for.

2. STIRLING UNIVERSITY MATHEMATICS SOCIETY

Run by students for students. You get to know mathematics students in other years and develop many soft skills through the various team activities.

3. ENHANCE YOUR EMPLOYABILITY

We also offer summer placements either with staff or companies. Some paid internships are also available.

THIS COURSE ACHIEVED 92% STUDENT SATISFACTION

(National Student Survey 2018)

COURSE DETAILS

In Semesters 1-3, you take Mathematics plus two other subjects. Material covered at secondary level is reviewed and applied before being developed further, ensuring a smooth transition from a school teaching approach to a university one.

You take core modules in: Calculus of One and Several Variables; Vectors, Matrices, Complex Numbers and their Application in Geometry and Systems Theory; Probability; and Analysis.

You have the option to take modules in: Discrete Mathematics and Statistics. These are encouraged but not required.

In Semesters 4-8, both Honours courses cover a broad range of skills. Advanced modules cover the following key areas: mathematical techniques for solving a wide range of problems; the theory underlying these mathematical techniques; and model-building, i.e. converting real-world problems into mathematical form.

This course may be combined with:

Accountancy (GN14); Biology (CG11); Computing Science (G4G1); Economics (GL11); Environmental Science (F9G1); Finance (GN13); French (GR11); Professional Education (GX11); Professional Education/Computing Science (GX91); or Psychology (CG81).
CAREER OPPORTUNITIES

There is a growing need for graduates with mathematical skills in business, research and the sciences, and this degree provides both the theoretical background and the quantitative skills required for the solution of realworld problems.

There is a ready market for graduates with a mathematical training, in recognition of both their specific skills and their broad analytical expertise. In particular, there’s an ever-increasing need across professions for graduates who not only have quantitative skills, but also know how to use them – that combination is what this course delivers.

Our graduates find employment as:
- Actuarial analyst
- Chartered accountant
- Data analyst
- Data scientist
- Investment analyst
- Research scientist
- Secondary school teacher
- Statistician
- Systems developer

“The University of Stirling is 3rd in the UK and 1st in Scotland for graduate employability with almost 97% of our graduates in employment or further study within six months of graduating.”

HESA 2016).

MATHEMATICS  G100
stir.ac.uk/1pw

MINIMUM REQUIREMENTS

YEAR 1 ENTRY - FOUR-YEAR HONOURS
SQA Highers:
ABBB – one sitting
AABB – two sittings
GCE A-levels:
BBB
IB Diploma:
32
BTEC (Level 3):
DDM
Essential subjects:
To include Mathematics.

YEAR 2 ENTRY - THREE-YEAR HONOURS
SQA Advanced Highers:
ABB
GCE A-levels:
ABB
IB Diploma:
35
Essential subjects:
To include Mathematics.

OTHER QUALIFICATIONS
Scottish HNC/HND:
Minimum entry:
Bs in graded unit.

ADDITIONAL INFORMATION
General entry requirements apply. Please visit: stir.ac.uk/av

PART TIME, ADVANCED ENTRY AND STUDY ABROAD OPTIONS AVAILABLE