Introducing MInf Informatics (5-year undergraduate Masters Programme)

Our flagship MInf provides an integrated programme taking you to a masters level qualification over five years. You will gain a breadth of experience across all areas of informatics as well as the opportunity for in-depth masters-level study in your chosen area of specialisation.

The first three years are similar to our BSc and BEng programmes, providing a firm foundation for advanced study in informatics. A diverse range of topics is covered including areas of computer science, artificial intelligence, and cognitive science, as well as computational links to linguistics, neuroscience, psychology and biology.

The final two years of study include many specialised course options and a personal project. The final year offers access to a wide range of masters-level courses given by leaders in their chosen fields.

Accreditation
Chartered IT Professional (CITP) accredited by the British Computer Society.

Year 1
You will be introduced to basic principles of programming and computation.

You will learn how information can be represented and processed in computer systems, as well as fundamental techniques to manage data and solve problems using computer programs.

The year also includes courses in mathematics necessary for all areas of informatics. Together these form the foundations of more in-depth study of computation in future years.

You can choose option courses from various schools across the University.

Year 2
You will build on Year 1, covering more advanced programming and data structures, together with related mathematics.

Courses offered will develop greater understanding of software development, decision making, learning from data, and the internals of computers or computer systems.

Option courses are available from various schools across the University.

Year 3
Your studies will become more focused and you will have more choice in selecting specialised courses according to your own interests from a range of options across all areas of informatics.

Coursework assignments typically provide you with experience in practical work, independent problem solving, and group work.

Your exact curriculum depends on your selected courses; options offered in recent years include courses in robotics, computer security, machine learning, operating systems, computer networks, and around 10 others.

Year 4
You will continue to study courses from across Informatics that match your interests and will also start on a project that you will develop in Years 4 and 5. You may also choose one course from a different subject area.

Year 5
Similar to Year 4, you will take further advanced courses and continue to develop your project.

Our facilities
You will be based within the School of Informatics, with lectures, tutorials and classes held in Appleton Tower, which provides purpose-built facilities and dedicated learning and teaching spaces, all located in the University’s Central Area.

You will have 24-hour access to computer laboratories and quality software support is available.

Career Opportunities
Our graduates have excellent career prospects in IT industry and beyond.

They comfortably secure roles such as software engineer, hardware engineer, app developer, web developer, and programmer but also increasingly: data analyst/scientist or business analyst in the financial sector.

Popular employers include: Google, Facebook, Amazon, IBM, SkyScanner, Intel, ARM, Samsung, NVIDIA, Keysight, RockStar North as well as RBS, JP Morgans, Citigroup.

Other industries and professions that rely heavily on computing systems, including media (e.g. BBC), communications (Ericsson, Huawei), energy (British Gas) and medicine (Canon Medical Systems) are all potential employers for the School of Informatics graduates.

Our school has a record number of startups and spinouts over the last ten years including those set up by our alumni, such as FanDuel, Robotical or PlayerData.

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