

Cyber Security, Privacy and Trust

University of Edinburgh

Venues

Central Campus

Content

Electronic systems are everywhere, and governments, financial and transport organisations, or telecommunication companies all possess and manage huge amounts of sensitive information concerning all of our everyday activities.

With the emergence of new systems and services such as: electronic IDs and passports, electronic payment systems and loyalty schemes, electronic tickets, and telecommunication systems, every aspect of our life is relying on / recorded by some computerised system. As such, there has been a significant increase in attacks targeting computing infrastructure. The cyber security threat has been characterised as serious as terrorism by the GCHQ, therefore a need for graduates with highly specialised training in this area is ever-growing.

Cyber security and privacy is the study of the computational principles, methods and mechanisms for safeguarding these sensitive applications. Graduates of the programme will learn how to evaluate, design, and implement secure and trustworthy systems in complex distributed systems.

Start Date

September

Qualification

Postgraduate Master's

Study Method

Full time

Award Title

MSc

Course Length

1 year

Faculty

College of Science and Engineering

Department

Informatics

Entry Requirements

A UK 2:1 honours degree, or its international equivalent, in informatics, artificial intelligence, cognitive science, computer science, electrical engineering, linguistics, mathematics, philosophy, physics, psychology, or another quantitative discipline.

You should have experience of computer programming equivalent to an introductory programming course and have completed the equivalent to 60 credits of mathematics during your degree that have typically covered the following subjects/topics: calculus (differentiation and integration), linear algebra (vectors and multi-dimensional matrices), discrete mathematics and mathematical reasoning (e.g. induction and reasoning, graph theoretic models, proofs), and probability (concepts in discrete and continuous probabilities, Markov chains etc.).

Entry to this programme is competitive. A typical offer will normally require a UK first class honours degree.

SCQF Level

11

Progression Routes

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Combination Courses

«htmlCombinationCourse»

«htmlCombinationUCASCode»

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