INFORMATION SECURITY
MSc /
2017/18 ENTRY

www.ucl.ac.uk/graduate/compsci
The Information Security MSc offers a specialist programme designed to provide a fundamental understanding of information security and to convey practical engineering skills. There are good prospects for highly trained information security professionals and there is a shortage of trained personnel in this area.

Degree summary

Students develop an advanced knowledge of information security and an awareness of the context in which information security operates in terms of safety, environmental, social and economic aspects. They gain a wide range of intellectual, practical and transferable skills, enabling them to develop a flexible professional career in IT.

UCL Computer Science is recognised as a world leader in teaching and research, and was one of the top-rated departments in the UK government's recent Research Excellence Framework.

This MSc is taught by academics who conduct world-leading research, most notably in cryptography and human-centred approaches to security, privacy and trust. Access to industry-led projects and guest lecturers from academia and industry will enhance post-graduation opportunities for careers in security-related research, or employment in cyber security roles. Students from the degree won the first UK Cyber Security Challenge in code cracking in 2013.

UCL’s central London location enables students to enjoy the full benefits of life in a vibrant world city with easy access to excellent scientific and cultural centres.

The programme is delivered through a combination of lectures, seminars, problem classes, tutorials, laboratory classes and projects. Assessment is through written examinations, presentations, vivas, tests, coursework, written reports, formal presentations and the research project.

Accreditation

The MSc Information Security has been successfully certified to the ‘GCHQ Certified Master’s degree in General Cyber Security’ standard.

Degree structure

Mode: Full-time: 1 year; Part-time: 2 years
Location: London, Bloomsbury
Students undertake modules to the value of 180 credits. The programme consists of four core modules (60 credits), four optional modules (60 credits) and a research project (60 credits).

CORE MODULES
- Computer Security I (15 credits)
- Computer Security II (15 credits)
- Introduction to Cryptography (15 credits)
- Research in Information Security (15 credits)

OPTIONAL MODULES
- Students choose 60 credits from the following:
  - Applied Cryptography (15 credits)
  - Cryptanalysis (15 credits)
  - Cybercrime (15 credits)
  - Distributed Systems and Security (15 credits)
  - Information Security Management (15 credits)
  - Language Based Security (15 credits)
  - Malware (15 credits)
  - People and Security (15 credits)
  - Philosophy, Politics and Economics of Security and Privacy (15 credits)
  - Privacy Enhancing Technologies (15 credits)

Please note: the availability and delivery of modules may vary, based on your selected options.

DISSERTATION/REPORT
- All MSc students undertake an independent research project which culminates in a dissertation (maximum length of 120 pages) and an oral presentation.
Your career

UCL graduates are keenly sought by the world’s leading organisations. UCL Computer Science graduates are particularly valued as a result of the department’s strong international reputation, strong links with industry, and ideal location close to the City of London. Our graduates secure careers in a wide variety of organisations, e.g. with global IT consultancies, as IT analysts with City banks, or as IT specialists within manufacturing industries.

Employability

Some of the brightest alumni of the degree go on to careers in academia. The majority of our students take jobs in the software and consultancy industries, usually in a security-related role such as security standards compliance, secure software design or security consultancy. Students have the opportunity to do industrially based projects with companies such as BT and McAfee. The department is recognised as an academic centre of excellence on cyber security and further opportunities to expand both academic and industrial contacts occur through the ACE-CS guest lecture series integrated into the course.
Entry requirements

A minimum of an upper second-class UK Bachelor’s degree in computer science, electrical engineering or mathematics, or an overseas qualification of an equivalent standard. Relevant work experience may also be taken into account.

English language proficiency level

If your education has not been conducted in the English language, you will be expected to demonstrate evidence of an adequate level of English proficiency.

The level of English language proficiency for this programme is: Good.

Information about the evidence required, acceptable qualifications and test providers is provided at:
www.ucl.ac.uk/graduate/english-requirements

Your application

Students are advised to apply as early as possible due to competition for places. Those applying for scholarship funding (particularly overseas applicants) should take note of application deadlines.

When we assess your application we would like to learn:
// why you want to study Information Security at graduate level
// why you want to study Information Security at UCL
// what particularly attracts you to this programme
// how your academic and professional background meets the demands of this programme
// what programming experience you have
// where you would like to go professionally with your degree

Together with essential academic requirements, the personal statement is your opportunity to illustrate whether your reasons for applying to this programme match what the programme will deliver.

Successful applicants to this programme will be required to pay a tuition fee deposit dependent on their mode of study and fee status as given below:
// UK/EU full-time: £2,000
// UK/EU part-time: £1,100
// Overseas full-time: £2,000
// Overseas part-time: £1,100

Further details can be found on the Fees and funding page.

FEES AND FUNDING 2017/18 ENTRY

// UK: £11,800 (FT), £6,010 (PT)
// EU: £11,800 (FT), £6,010 (PT)
// Overseas: £25,890 (FT), £12,950 (PT)

The tuition fees shown are for the year indicated above. Fees for subsequent years may increase or otherwise vary. Further information on fee status, fee increases and the fee schedule can be viewed on the UCL Current Students website.

4 MSc Scholarships, worth £4000 each, are made available by the Department of Computer Science to UK/EU offer holders with a record of excellent academic achievement. The closing date is 30 June 2017. For more information, please see the department pages.

Full details of funding opportunities can be found on the UCL Scholarships website: www.ucl.ac.uk/scholarships

APPLICATION DEADLINE

All applicants: 17 June 2017

Details on how to apply are available on the website at:
www.ucl.ac.uk/graduate/apply

CONTACT

Dr Saini Manninen, Teaching & Learning Administrator

Email: advancedmsc-admissions@cs.ucl.ac.uk

Telephone: +44 (0)20 7679 7937

EU referendum

For up-to-date information relating to specific key questions following the UK’s decision to leave the EU, please refer to www.ucl.ac.uk/eu-referendum

Further details can be found on the Fees and funding page.