

COMPUTER & NETWORK ENGINEERING

As a computer and network engineering undergraduate at the University of Westminster, you will benefit from some of the best teaching and facilities available, with more than £30 million invested in creating state-of-the-art facilities and resources. These include numerous laboratories offering access to Windows and Linux platforms, running industry-standard, computer-aided analysis and design applications.

Teaching and learning

You will learn the fundamental principles of computing and network engineering, and be encouraged to use initiative and confidence in approaching engineering problems, investigating solutions using a blend of analytical and practical skills. Teaching methods include lectures and seminars, laboratories and computer-aided engineering, group and individual projects, and online learning. Students specialise in networking, communications, system and network programming as well as interfacing hardware and software. Our aim is to develop graduates with the right skill-set in computer systems and networking for today's job market.

Employability

All of our courses offer you the opportunity to take a year-long industry placement between Years 2 and 3, giving you a competitive edge in the job market and contributing to your professional development. Our courses are accredited by the appropriate professional bodies, the Institution of Engineering and Technology (IET), the Engineering Council, and BCS – the Chartered Institute for IT, enabling you to become Chartered and Incorporated Engineers after gaining professional experience. Our graduates have gone on to work for BT, British Aerospace, CITRIX Systems, KDDI Global, Nokia, O2 Communications, Ping Networks and smaller private companies. Some have started up their own businesses in manufacturing or consultancy.

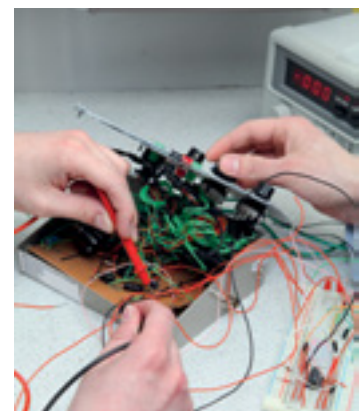
Foundation pathway

We offer Foundations as a route onto some of our undergraduate programmes. For module information and any further details, please visit: westminster.ac.uk/foundation-courses

See also: Computer Science & Software Engineering p76 • Digital Media & Games Computing p84



100%
of Computer
Network
Security
students say
staff are good
at explaining
things



Library and computer facilities at our Cavendish Campus

Data taken from unistats.ac.uk in December 2017

COMPUTER NETWORK SECURITY

BSc Honours

Length of course: Three years full-time; four years full-time with industrial placement

UCAS code: G423

Campus: Central London (see map p192)

Typical offer for September 2018: A Levels – BCC/A*A to include at least one technical subject; International Baccalaureate – 26 points including 5 in a Higher Level technical subject; Pearson BTEC Level 3 Extended National Diploma/National Diploma – DMM/D*D* in Engineering, ICT or Computing, to include Maths at Level 3. We consider applications that reflect a mixture of Level 3 qualifications as long as they are equivalent to our typical offer requirements. See also entry requirements on p185.



Security is a vital aspect of any networked system, especially as the dependency on network infrastructures has grown over the past few decades. This course has been designed to meet the demand for graduates with application-oriented engineering skills and know-how, particularly in relation to local, wide and wireless area networks and network security. The course focuses on three main aspects – communication, network design and implementation, and security.

The course emphasis is on hands-on work at every level, with a focus on 'learning by doing' which enhances the development of your engineering skills. It will equip you with knowledge and understanding of current technologies applied to network security, of modern computer architecture, and of the role and responsibilities of the professional engineer.

For module information and further details, please visit: westminster.ac.uk/computer-and-network-engineering



"The things I like most about my course are the meetings with knowledgeable lecturers who are willing to answer all the questions, the practical lab sessions, and the great facilities inside the University."

Chris Galazka
Computer Network Security BSc Honours, graduate

COMPUTER SYSTEMS ENGINEERING

BSc Honours

Length of course: Three years full-time; four years full-time with placement year

UCAS code: H657

Campus: Central London (see map p192)

Typical offer for September 2018: A Levels – BCC/A*A to include at least one technical subject; International Baccalaureate – 26 points, including 5 in any Higher Level Technical subject; Pearson BTEC Level 3 Extended National Diploma – DMM/D*D* to include Merit in Maths at Level 3. We consider applications that reflect a mixture of Level 3 qualifications as long as they are equivalent to our typical offer requirements. See also entry requirements on p185.



Computer systems engineering is a growing market in today's computer industry. Embedded systems have become widespread in industry and can be found in almost all modern consumer devices, from washing machines to cars. This course aims to develop your skills as a strong computer-based engineer, in demand in both industry and research. It will equip you with the necessary knowledge and engineering skills related to modern day computer and embedded microprocessors, as well as embracing their structure, design and efficient operation.

This course focuses on three main areas – the computer system, embedded systems and operating systems – and you will gain the technical expertise and knowledge to take a good idea from conception through to a viable product, a key characteristic for many employers.

For module information and further details, please visit: westminster.ac.uk/computer-and-network-engineering

