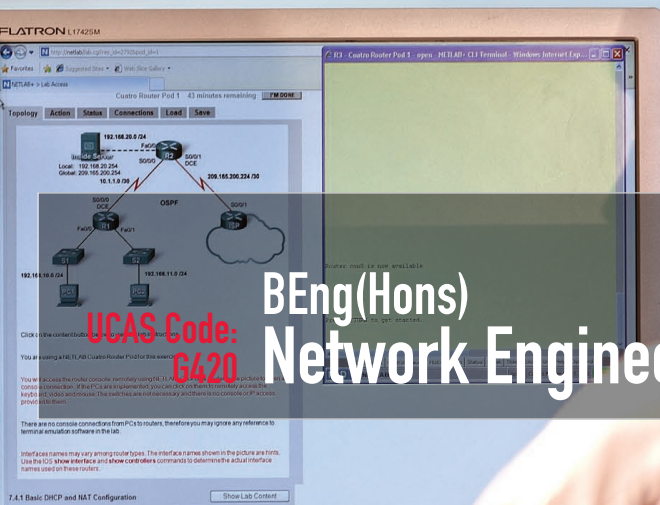




STAFFORDSHIRE
UNIVERSITY



UCAS Code:
G620

BEng(Hons) Network Engineering

UNDERGRADUATE
COURSE INFORMATION

Key Facts

Faculty of Computing,
Engineering and
Technology

Location:
Stafford Campus

Duration:
3 years full-time
4 years with placement
year

Entry requirements:
Typical offer: 240 UCAS
points.
A levels: CCC or CDD
plus C at AS. Must
have a pass in A level
Mathematics, Physics
or related engineering
subject.
BTEC: MMM in an
engineering discipline.
Detailed entry
requirements can be
found on each of our
online course pages or by
visiting [www.staffs.ac.uk/
ugentryrequirements](http://www.staffs.ac.uk/ugentryrequirements)

Accredited by: IET



At-a-glance

The network engineering skills you will gain from this course can be used to support and manage information networks in any organisation that uses them. You will be ideally placed to work specifically in network management or design – both areas that command good salaries. If you have exceptional ability, you may continue your studies for a taught postgraduate MSc degree or on to postgraduate research for an MPhil or PhD degree.

Professionals with strong expertise in networking systems are essential to any medium to large-scale enterprise. This award, accredited by the IET, seeks to develop your specialisation in the enabling technologies that underpin the Internet, Intranets and other computer-based information and communication networks.

Year 1 introduces the techniques needed for network engineering, including basic electronics and communications, introductory CISCO Networking and Entrepreneurial Studies to give you the skills to become a practitioner either in a firm or through creating your own company. Year 2 looks at networking, security and infrastructure, communications and mobile computing. You can also specialise in the software or hardware of networking. Between Years 2 and 3, there is an optional placement.

In Year 3, you will concentrate on a major project in networking. Study for the rest of the year will be of your choice but will include a focus on systems for network traffic analysis and network upgrade process issues. As part of your course, you will participate in the CISCO Networking Academy Programme and prepare for CISCO Certified Network Associate (CCNA) and CISCO Certified Network Professional (CCNP) certification.

Course Outline

Year 1

- Essential Electronics
 - Operating Systems for Engineers
 - Instrumentation and Measurement
 - Mathematics
 - Electronic Principles
 - Software for Engineers
 - Networking with LANs and WANs (CCNA 1 and 2)
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Year 2

- Communications
 - Engineering Mathematics
 - LAN Switching and WAN Networks (CCNA 3 and 4)
 - Introduction to IP Telephony
 - Management in Organisations
- Options modules include:
- Router Security Technologies (CISCO CCNA Security)
 - Advanced Routing (CCNP Routing)
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Optional placement year

Year 3

- Advanced Switching (CCNP Switching)
 - Advanced Wireless Networking
 - Professional Engineer
 - Troubleshooting a Converged IP based Network (CCNP Trouble-shooting)
 - Ubiquitous Computing
 - Project
-



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WHY STUDY AT STAFFORDSHIRE UNIVERSITY?

We have a reputation for preparing students to take on the world. Our courses deliver the skills and experiences employers value. Our lecturers know what it is you need to succeed in business because they're industry professionals. What we teach is not only quality assured but informed by the latest thinking and developments in the real world. And with excellent facilities, a lively social scene, and low cost of living, Staffordshire University is a great place to be a student.

The information in this leaflet is correct at the time of publication, but may be subject to change.

For the latest information visit www.staffs.ac.uk/undergraduate or call our enquiries team on 01782 294400.

Detailed entry requirements can be found on each of our online course pages or by visiting www.staffs.ac.uk/ugentryrequirements

For full, up-to-date details of our degrees and other courses, visit: www.staffs.ac.uk/undergraduate

For lots of friendly help and advice:
Call: 01782 294400
Email: enquiries@staffs.ac.uk

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