TELECOMMUNICATIONS (IGDP) MSc / 2019/20 ENTRY

www.ucl.ac.uk/graduate/
The MSc Telecommunications Integrated Graduate Development Programme has been created to enhance the technical skill base that is required to meet the dynamic challenges of today’s industry, empowering professionals to develop their careers, and their employers to maintain and retain high quality staff.

Degree summary

Students develop a comprehensive understanding of the key technologies, network architectures, and systems that make up a modern telecommunications network. Specific topics include telecommunications systems, communications technologies, network design and planning, data networks and architectures, next generation architecture and business aspects of telecommunications.

The course is designed specifically for those working in the Industry to follow on a part time basis. The modules are designed to be independent and afford maximum flexibility in study pattern.

UCL Electronic & Electrical Engineering is one of the most highly rated electronic engineering departments in the UK. Our research and teaching ethos is based on understanding the fundamentals and working at the forefront of technology development.

This MSc programme is taught by UCL’s telecommunications experts with contributions from industrial and government specialists, and is dedicated to the task of training engineers and managers in the telecommunications industry.

The programme is delivered through a combination of formal lectures, laboratory and workshop sessions, seminars, tutorials and project work. All of the programme lecturers carry out leading research in the subjects they are teaching. Student performance is assessed through unseen written examination, coursework, design exercises and the dissertation.

Accreditation

Accredited by the Institution of Engineering and Technology (IET) on behalf of the Engineering Council as meeting the requirements for Further Learning for registration as a Chartered Engineer. Candidates must hold a CEng accredited BEng/BSc (Hons) undergraduate first degree to comply with full CEng registration requirements.

Degree structure

Mode: Flexible: 3-5 years
Location: London, Bloomsbury

This programme is specifically designed to allow those working in Industry to "learn while they earn". It has been designed to operate independently and afford maximum flexibility.

Students undertake modules to the value of 180 credits. The programme consists of eight optional modules (75 credits) and a research dissertation (60 credits).

Please note that the list of modules given here is indicative. This information is published a long time in advance of enrolment and module content and availability is subject to change.

COMPULSORY MODULES

- Introduction to Telecommunications Networks
- Introduction to IP Networks
- Broadband Technologies and Components
- Mobile Communications Systems
- Telecommunications Business Environment
- Software for Network Services and Design
- Communications Systems Modelling
- Antennas and Propagation
- Network and Services Management
- Optical Transmission and Networks
- RF Circuits and Sub-Systems
- Radar Systems
- Advanced Photonics Devices
- Photonic Sub-Systems

DISSERTATION/REPORT

All students undertake an independent research project which culminates in a dissertation of approximately 12,000 words. We attempt to develop a proposal that builds on the industry you are working in but also adds additional value.
Entry requirements

A minimum of a second-class Bachelor's degree in a relevant discipline from a UK university, or an overseas qualification of an equivalent standard.

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: Standard.

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

Your application

FEES AND FUNDING 2019/20 ENTRY

- UK: £12,750 (FT)
- EU: £12,750 (FT)
- Overseas: £26,110 (FT)

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 Students website.

Fees for flexible, modular study are charged pro-rata to the appropriate full-time Master's fee taken in an academic session.

The Institution of Engineering and Technology (IET) awards competitive scholarships for postgraduate study, for details visit www.theiet.org

Please visit the UCL Electronic and Electrical Engineering Scholarships website for more information on funding.

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

APPLICATION DEADLINE

All applicants: 26 July 2019

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

CONTACT

Administrator

Email: communications@ee.ucl.ac.uk

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/brexit