The Telecommunications & Internet Technology MSc will provide you with an advanced understanding of all aspects of telecommunications networks and the internet. The study pathway will allow you to explore the latest techniques, mechanisms, protocols and network architectures and conduct your own research project.

**Key benefits**

- You will gain a thorough technical knowledge of the current practice in both wireless, and wireline networks.
- Located in central London, giving access to major libraries and leading scientific societies, including the IET.
- Frequent access to speakers of international repute through seminars and external lectures, enabling you to keep abreast of emerging knowledge in the telecommunications field.
- Flexible study pathway that covers the basic principles of communications systems and extends to structural aspects and design of future packet-switched networks.
- The Department has a reputation for delivering research-led teaching and project supervision from leading experts in their field.

**Course details**

The rapid global growth of mobile and wireless communication systems and networks over the last few years has resulted in the demand for talented graduates with an in-depth understanding of new and emerging internet technologies.

You will complete the course in one year, studying September to September and taking a combination of required and optional modules totalling 180 credits, including 60 credits that will come from an individual project. You will study Optical Communications, Telecommunication Networks and Network Theory. There are opportunities to explore a range of optional modules allowing you to develop study pathway that reflects your interests.

**Teaching**

We use lectures, seminars and group tutorials to deliver most of the modules on the course. You will also be expected to undertake a significant amount of independent study.

You are expected to spend approximately 10 hours work per credit for each module you attend in your degree, e.g. 150 hours work for a 15 credit module. These hours cover every aspect of the module.

**Assessment**

Assessment methods will depend on the modules selected. The primary methods of assessment for this course are written examinations and coursework. You may also be assessed by class tests, essays, assessment reports and oral presentations.

**Regulating body**

King’s College London is regulated by the Office for Students.
Course structure

Courses are divided into modules. You will normally take modules totalling 180 credits.

Required modules

You are required to take:

- Optical Communications (15 credits)
- Telecommunications Networks I (15 credits)
- Network Theory (15 credits)
- Telecommunications Networks II (15 credits)
- Individual Project (60 credits)

Optional modules

In addition, you are required to take 60 credits from a range of optional modules, which may typically include:

- Digital Communications (15 credits)
- Fundamentals of Digital Signal Processing (15 credits)
- Random Variables & Stochastic Processes (15 credits)
- Communications Theory (15 credits)
- Mobile & Personal Communications (15 credits)
- Topics on Data & Signal Analysis (15 credits)

King’s College London reviews the modules offered on a regular basis to provide up-to-date, innovative and relevant programmes of study. Therefore, modules offered may change. We suggest that you keep an eye on the course finder on our website for updates.

Location

The course is taught at the King’s College London Strand and Waterloo Campuses, putting you in the heart of London with access to all its academic resources and within easy reach of the social and entertainment attractions of one of the world’s most cosmopolitan cities. The Department of Informatics is based in the recently renovated Bush House on the Strand Campus.

Career prospects

Graduates from our course gone on to find employment with mobile network operators and also the industrial manufacturers of mobile/wireless network equipment. Some graduates have chosen to further their academic studies through MPhil and PhD degrees.

Fees and funding

Full-time tuition fees – UK

The UK tuition fees for the 2018–19 academic year are available on the course web page. Please note that the tuition fees for subsequent years of study may be subject to increases in line with King’s terms and conditions.

Full-time tuition fees – EU

Students starting their programme in 2019/20 (September 2019) who are eligible to pay EU fees will pay the same rate of tuition fees as UK students. This will apply for the duration of their programme, but may be subject to change by the UK Government for subsequent cohorts from 2020/21. The UK tuition fees for the 2018–19 academic year are available on the course web page. Please note that the tuition fees for subsequent years of study may be subject to increases in line with King’s terms and conditions.

Full-time tuition fees – International

The International tuition fees for the 2018–19 academic year are available on the course web page. Please note that the tuition fees for subsequent years of study may be subject to increases in line with King’s terms and conditions.

Deposit

When you receive an offer for this course you will be required to pay a non-refundable deposit to secure your place. The deposit will be credited towards your total fee payment. The UK/EU deposit is £500. The International deposit is £2,000.

Additional costs

In addition to your tuition fees, you can also expect to pay for:

- books if you choose to buy your own copies
- clothing for optional course related events and competitions
- library fees and fines
- personal photocopies
- printing course handouts
- society membership fees
- stationery
- travel costs for travel around London and between campuses
- graduation costs.

Disclaimer

Although this PDF was up-to-date at the time it was produced, please make sure you check our website www.kcl.ac.uk/study or contact us directly for the very latest information before you commit yourself to any of our courses.

Contact us

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