



## **MSc in Telecommunications and Networks**

### **Telecommunication and networks**

This exciting new MSc programme has a focus on highly topical areas in telecommunications and networks and draws upon leading experts and active researchers at The City University, London.

### **Who the programme is aimed at**

The programme is suitable for engineers who wish to develop a specialised knowledge in the areas of telecommunications and networks. The programme addresses the major technological developments in these fields including optical and wireless communications devices, systems and networks, webservices and cryptography.

### **Why study at City University?**

Electrical engineering and related subjects has been taught at City University, located at the centre of London, since the 1890s.

### **Key facts:**

- Our programme content is tailored to the needs of today's telecommunications and information engineering industry
- Our staff members have a high level of expertise and the School's industrial links include a network of contacts, with support from senior figures in industry
- City is recognised internationally for its research in the area
- City has an excellent employment record.

### **Programme aims and benefits**

The overall aims of the programme are the advanced education of engineers and scientists intending to develop a rich knowledge of telecommunications and networks and the development of expertise in these areas. Not only will students gain the skills and knowledge base required for a successful professional career but via their individual project they can also gain a strong foundation for the pursuit of further studies leading to a research PhD degree. The wide-ranging field of telecommunications has been revolutionised not only by the invention of optical fibres and semiconductor lasers but also the development of Erbium doped Fibre amplifiers (EDFA), Dense wavelength division multiplexing (DWDM), Photonic Crystal Fibres (PCF) and soliton transmission. The potential for the future is impressive with the growth of communication systems, the increasing use of the Internet for a wide range of business and leisure purposes.

### **Contact details**

If you wish to apply for this programme or want more information, please contact:

Prof. B M A Rahman, Professor of Photonics  
at [B.M.A.Rahman@city.ac.uk](mailto:B.M.A.Rahman@city.ac.uk)

### **Programme structure and durations**

Full-time students attend one full calendar year beginning in September. Students can select eight modules from the following:

Multiservice communication networks  
Signals and Information Theory  
Cryptography and coding  
Advanced cryptanalysis  
Digital Communications  
Wireless Communications  
Optical Communications  
Optoelectronics  
Web Services Security  
Digital Signal processing and  
Digital Image processing

MSc students also undertake an individual research-focused project with one of the research groups

### **How much will it cost?**

The overseas tuition fee £9750. A limited number of scholarships (of value £1000) are available for exceptional candidates. Through an endowment, merit scholarships are also available to female students.

**Students completing this MSc can work in UK for a year without a work permit.**

### **Please visit our website for details**

[www.city.ac.uk/sems/postgraduate/telenet](http://www.city.ac.uk/sems/postgraduate/telenet)

