Telecommunications by Distance Learning
PgCert/PgDip/MSc

BIRMINGHAM CITY University

Faculty of
Technology, Engineering and the Environment

COURSE FACTS

School	Computing, Telecommunications and Networks
Application	For details on how to make an application visit **www.bcu.ac.uk/student-info/how-to-apply**
Location	City Centre Campus, Millennium Point
Duration	Part-Time: 2 - 5 years

KEY FACTS

- This course aims to produce skilled professional telecommunications engineers who can provide and manage communications networks and services for commercial advantage.
- It is suitable for students from both scientific and engineering backgrounds wishing to gain a comprehensive understanding of recent techniques in the design, development, administration and management of telecommunications.
- This course is available only by Online Distance Learning through Resource Development International Ltd (RDI), the world's largest independent provider of UK university distance learning education.

WHY CHOOSE US?

- Our School of Computing, Telecommunications and Networks is recognised both nationally and internationally for the high quality of our teaching, research and extensive industry partnerships. We are established as one of the leading academies for Apple, Microsoft and Cisco Systems.
- We deliver computing-related courses designed to equip you with the skills demanded by industries and employers. These include computer science, software engineering, information systems, e-business technologies, electronics, embedded systems, web technologies, telecommunications, networking and computer forensics.

COURSE OVERVIEW

This course aims to produce skilled professional telecommunications engineers who can provide and manage communications networks and services for commercial advantage.

The course is suitable for competent students from both scientific and engineering backgrounds wishing to gain a comprehensive understanding of recent techniques in the design, development, administration and management of telecommunications.

www.bcu.ac.uk/tee/ctn

SEMESTER 1		
Postgraduate Certificate - 60 Credits		
Telecommunication Systems 20 Credits	**Data Communications Systems** 20 Credits	**Project Management and Research Methodology** 20 Credits

SEMESTER 2	
Postgraduate Diploma - 120 Credits	
Mobile and Wireless Communications 30 Credits	**Management of Network Services** 30 Credits

SEMESTER 3
MSc Award - 180 Credits
Master's Project **including Project Proposal and Research Plan Development and the write-up** 60 Credits

COURSE STRUCTURE

Telecommunication Systems
Provides a detailed knowledge of the principles of telecommunications systems, while emphasising technologies that support digital communications. Emphasis is placed on the characteristics and advantages of digital signals, as well as issues relating to transmission, line coding and modulation.

Data Communications Systems
This module provides detailed knowledge and understanding of the key principles of the design, development and diagnostics of data communication systems.

Project Management and Research Methodology
Covers project planning, scheduling and monitoring tools and techniques while at the same time developing research philosophies, strategies and methods relevant to the industry.

Mobile and Wireless Communications
Provides an in-depth knowledge of the fundamentals of mobile and wireless communications systems emphasising the wireless environment, mobile systems, network planning and mobile services.

Management of Network Services
Provides detailed knowledge of the requirements and operation of networks and the associated service management.

Master's Project/Dissertation
Allows you to demonstrate your ability to apply skills and knowledge to the solution of a practical problem, or to an investigation into a research topic appropriate to the rationale of the course.

ASSESSMENT

The course features a series of assessments, including a research element, to ensure that you gain up-to-date knowledge of both the theory and practice of the relative discipline in question, and a practical element in which you will assess strategic issues and practices. The assessment tasks will normally include a number of written reports and these will be in a formal style with executive summary, analysis, synthesis and discussion. Some of the assessments will be undertaken at a scheduled time and over a predefined limited period.

ENTRY REQUIREMENTS

You would normally be expected you to hold at least a Second Class Honours degree or equivalent in an appropriate discipline. However, we can consider your application without standard entry qualifications if you can provide evidence of the necessary knowledge and skills to successfully complete the course. The standard university English language requirements will be adopted. International students will require an English language qualification equivalent to IELTS 6.0 for this programme.

EMPLOYABILITY

In addition to further academic research opportunities, career prospects are expected to keep pace with the rapid advances in telecommunications technologies and there is expected to be continuing demand for competent, versatile postgraduates who can design and implement innovative solutions for industry. The course also develops a wide spectrum of transferable skills to take into a general business career.

Birmingham City University,
Faculty of Technology, Engineering
and the Environment, Curzon Street,
Millennium Point, Birmingham, B4 7XG

For enquiries:
T: +44 (0)121 331 5595
F: +44 (0)121 331 7994
W: www.bcu.ac.uk/enquiries

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