Computing
PgCert/PgDip/MSc

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	Full-time: 13 months (January start 17 months), part-time: 30 months

KEY FACTS

- This programme integrates the use of major commercial software - including Cisco, Oracle, PRINCE2, SAS and SAP - with investigation of the wider theoretical context.
- It combines the rigour of academic discipline with leading edge technical IT skills that develop your career. It does not require prior IT knowledge and is ideal for students with a non-IT related honours degree.

WHY CHOOSE US?

- Our School of Computing, Telecommunications and Networks is recognised both nationally and internationally for the high quality of our teaching and 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 is designed to provide graduates of other disciplines with the opportunity to gain in-depth knowledge and skills in a range of advanced topics in computer science and business computing.

In the first term, you will study the key topics of systems development, network technology and databases. In the second term, you will have the opportunity to study a range of specialised topics, with either a technology/software construction or business focus. You will also learn about the skills needed to become a successful entrepreneur in the IT sector.

The programme has two intakes, in September and January, and may be studied in full or part-time mode.
The full time duration is 13 months (17 months for January start).

www.bcu.ac.uk/tee/ctn

CISCO
Networking
Academy

SEMESTER 1			
Postgraduate Certificate - 60 Credits			
Professional Skills and Research Methods 15 Credits	Systems Development 15 Credits	Databases for Enterprise 15 Credits	Network Technology 15 Credits

SEMESTER 2			
Postgraduate Diploma - 120 Credits			
Technology Entrepreneurship 15 Credits	IT Project Management 15 Credits	Web Technologies 15 Credits	Elective* 15 Credits

SEMESTER 3
MSc Award - 180 Credits
Master's Project 60 Credits

* Electives selected from: Business Intelligence, Service Architecture, Strategic IT Planning

COURSE STRUCTURE

Professional Skills and Research Methods
Introduces research methods, academic writing and project management skills to support the Master's project and professional skills, including consultancy.

Systems Development
Introduces the fundamental principles of computer programming required to develop modern software applications.

Databases for Enterprise
Combines coverage of key database skills with an exploration of recent trends such as object-oriented approaches, XML and web-database technologies.

Network Technology
Introduces networking concepts using a top-down, theoretical, and integrated approach to network applications, network protocols and future network technologies.

Technology Entrepreneurship
Explores the skills, knowledge and attributes required for becoming a successful entrepreneur in IT and identifying e-business opportunities.

IT Project Management
Provides an insight into the major contemporary project management techniques used in industry across the world, including PRINCE2.

Business Intelligence
Teaches skills for processing, examining and extracting information from raw data using appropriate statistical analysis techniques.

Service Architecture
Topics include service architecture models and designs, protocols used in service architectures, and software frameworks for implementing service architectures.

Strategic IT Planning
Explores key theoretical ideas in Business Process Design and Strategic Planning, with practical work based on the widely used SAP ERP (Enterprise Resource Planning) software.

ASSESSMENT

Assessment is through a combination of coursework, examinations, presentations, practical assignments, vivas, online activities and project work. Emphasis is placed upon the development of a broad range of relevant skills. Assessment methods will vary according to the particular skills being assessed.

ENTRY REQUIREMENTS

We would normally expect you to hold at least a Second Class Honours degree or equivalent in an appropriate discipline. However, we can also consider your application without standard entry qualifications if you can provide evidence of the necessary knowledge and skills to successfully complete the course.

EMPLOYABILITY

You will be equipped for a range of careers requiring high level skills, including software engineering, web development, business analysis, consultancy, project management and technical authoring, or you may become a researcher in a university or commercial research laboratory. The course also develops a wide spectrum of transferable skills to take into a general business career.

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