uclan
University of Central Lancashire

BSc (Hons) BUSINESS COMPUTING AND INFORMATION SYSTEMS

University of Central Lancashire

University of Central Lancashire

The University of Central Lancashire was founded in the year 1828. Today we're one of the UK's largest universities with a staff and student community approaching 38,000. Our employment-focused course portfolio with over 350 undergraduate programmes, nearly 200+ postgraduate courses and rich array of CPD courses means we offer you the skills and experience that industry needs.

Building on last year's impressive rise of 27 places, we've climbed a further 5 places in the Complete University Guide 2021 and are now ranked 70th out of 130 institutions. And we've been ranked first for the money invested into student wellbeing services according to the 2020 Student Welfare League Table.

We have been awarded Silver in the UK Government's 2017 Teaching Excellence Framework (TEF). Our TEF Silver rating is based on high quality teaching, excellent teaching facilities and the good careers that our graduates go on to discover.

A global University
Our community is made up of students from more than 100 countries around the world. And we are partnered with 123 institutions across the globe making us a truly international University.
We are ranked in the top 7% of universities worldwide (Centre for World University Rankings 2021-22).
The University of Central Lancashire has been named one of the top 1000 institutions in the world in the Times Higher Education World University Rankings 2021, top 86 universities in the UK.

The Guardian University
Guide 2020

The Times Higher Education World
University Rankings 2021
World/ Rank 301-350   UK/ Rank 38

Teaching Excellence Framework (TEF)
Silver Award

QAA
UK Quality Assured

REF
2021
Research
Excellence
Framework

CMI
HE Partner

European
Qualifications
Framework

#88
🇬🇧 73
[Published 08 June, 2021]

CUG The Complete
University Guide - UK

#97
🇬🇧 24
[Published 11 September, 2021]

The Guardian The Best UK
Universities - League Table

#108
🇬🇧 96
[Published 17 September, 2021]

The Good University Guide
- The Times

#251
🇬🇧 26
[Published 15 February, 2022]

THE Young University
Rankings - Times Higher
Education

#454
🇬🇧 37
[Published 04 April, 2022]

Scimago Institutions
Rankings - Universities

#589
🇬🇧 31
[Published 06 September, 2021]

StuDocu World University
Ranking - EMEA - Europe,
the Middle East and Africa

#596
🇬🇧 59
[Published 16 September, 2020]

RUR Research
Performance Ranking

#610
🇬🇧 58
[Published 16 September, 2021]

RUR Reputation Ranking

#667
🇬🇧 48
[Published 04 March, 2022]

RUR World University
Rankings

UCLan ranks third in the UK for mental health support

The University of Central Lancashire (UCLan) is ranked third in the UK for mental health support for students.
In the first University Mental Health Alliance table released by HUMEN today (June 29), UCLan was ranked in the top three after a survey of more than 7,200 students across 80 universities. Additionally, UCLan tops the percentage of students most satisfied with the mental health support available to them (79%), while 56% of students surveyed believe the university helps prevent mental health problems because of the services it provides.

University of Central Lancashire – BSc (Hons) Business Computing and Information Systems (Top-Up)

Course Description

he BSc (Hons) Business Computing and Information Systems Degree is delivered online by NCC Education, validated and awarded by the University of Central Lancashire (abbreviated UCLan).

This programme equips students with a blend of technical IT skills and business expertise which prepares them for careers in senior management roles. The programme modules are designed to provide students with the fundamental skills and knowledge required by employers in the IT sector.

The final year online top-up programme is a natural progression from our Level 5 Diploma in Computing or Level 5 Diploma in Business IT, currently offered by NCC Education as part of the top-up degree journey.

Upon successful completion of the degree, students are invited to attend their graduation ceremony at Preston Guild Hall in the UK.

Graduates can pursue careers in:

IT Management/Consultancy
Software Engineering
Networking
Data Management
Cyber Security
Information Systems Management

Assessment
Assessment through examination and coursework assignments

UE | UK Education

Programme Feature | 課程特色

100% online learning, which can be accessed from your phone, pc or tablet at home or on the move. On successful completion of your studies, you'll be invited to attend a graduation ceremony on campus.

100% 在線學習，您可以在家中或在旅途中通過手機、PC 或平板電腦訪問該系統。成功完成學業後，您將被邀請參加校園的畢業典禮。

📖 Study Mode | 學習形式

Online and Part-time

網上修讀及兼讀制

📅 Duration of Program | 修讀年期

This course only takes 12 months at the earliest

此課程修讀年期最快為12個月.

📋 Assessment | 評核準則

Performance of students are assessed on a continuous basis through assignments and class participation.

通過作業和課堂成績對學生的表現進行連續性的評估。

❓ Entry Requirements | 入學要求

- UK RQF/ NQF Level 5 in IT or computing; or HKQF Level 4 in IT / computing qualification or

- An Associate Degree / Advanced Diploma in IT / computing awarded by a recognized institution or

- NCC Education Level 5 Diploma in Computing (L5DC) / Business Information Technology (L5DBIT) or

- A recognized professional qualification (s) plus at least 3 times of full-time work experience at IT senior level. Shortlisted applicants may be invited for an interview

- 英國資歷架構第五級資訊科技 / 電腦學資格；或香港資歷架構第四級資訊科技 / 電腦學資格 或

- 由認可機構頒授的副學士學/ 高級文憑資訊科技 / 電腦學資格 或

- NCC 教育 5 級電腦學文憑 (L5DC) / 資訊科技文憑 (L5DBIT) 或

- 持有認可專業資格及三年或以上資訊科技管理經驗，入圍的申請人或需參與面試及通過Qualifi評審。

EN English Language Requirements | 英語要求

Students need to meet the following basic English requirements:

學生需達到以下的基本英語要求：

- IELTS 5.5; Reading and Writing must be at 5.5 or

- HKALE Use of English at Grade E or above, or HKDSE Examination English Language at Level 3 or above or

- Satisfy the examiners in UK EDUCATION qualifying examination, if required.

- IELTS 5.5 或以上; 讀寫水平必須達到5.5 或

- 於香港高級程度會考取得E或香港中學文憑的第三級 或

- UK EDUCATION提供的英語評估中符合要求成績

UE | UK Education

Programme Feature	課程特色

If you fulfill the entry requirement, you can join UCLan - BSc (Hons) Business Computing and Information Systems programme directly, else you can take Level 5 diploma or Level 4 diploma

如果您滿足入學要求,您可以直接加入 UCLan - BSc (Hons) Business Computing and Information Systems (Top-Up) 課程,否則您必需先取得 5 級文憑或 4 級文憑

Qualifi Level 4 Diploma in Information Technology

Qualifi Level 4 資訊科技文憑

- Start Date: Anytime
- Duration: 12 months
- Mode of Study: Distance Learning
- Structure: 4 Mandatory with two electives only with no exam

- 開始日期:任何時間
- 持續時間:12 個月
- 學習方式:遠程學習
- 結構:4 科必修科加 2 科必修科,無需考試

Qualifi Level 5 Diploma in Information Technology

Qualifi Level 5 資訊科技文憑

- Start Date: Anytime
- Duration: 12 months
- Mode of Study: Distance Learning
- Structure: 4 Mandatory with two electives only with no exam

- 開始日期:任何時間
- 持續時間:12 個月
- 學習方式:遠程學習
- 結構:4 科必修科加 2 科必修科,無需考試

BSc (Hons) Business Computing and Information Systems (Top-Up)

BSc (Hons) Business Computing and Information Systems (Top-Up)

- Start Date: February / August
- Duration: 12 months
- Mode of Study: Distance Learning
- Structure: 5 Mandatory, assessment through examination and coursework assignments

- 開始日期:二月 / 八月
- 持續時間:12 個月,將根據經驗提供課程豁免
- 學習方式:遠程學習
- 結構:5 科必修科,通過考試和課程作業進行評估

Course flow

BSc (Hons) Business Computing and Information Systems (Top-Up)
👑 **- University of Central Lancashire**
(120 Credits)

▲
▲

完成 **Qualifi Level 4 & 5 Diploma in Information Technology**

(240 Credits)

▲   ▲
▲   ▲

英國資歷架構第五級資訊科技 / 電腦學資格 或香港資歷架構第四級資訊科技 / 電腦學資格 UK RQF/ NQF Level 5 in IT or computing or HKQF Level 4 in IT / computing qualification	NCC 教育 5 級電腦學文憑 (L5DC) / 資訊科技文憑 (L5DBIT) NCC Education Level 5 Diploma in Computing (L5DC) / Business Information Technology (L5DBIT)

最快12個月時間 (完成時間視乎學生進度)
完成課程必需 360 Credits

Provide English version only

BSc (Hons) Business Computing and Information Systems (Top-Up)

The BSc (Hons) Business Computing and Information Systems Degree is delivered online by NCC Education, validated and awarded by the University of Central Lancashire (abbreviated UCLan).

This programme equips students with a blend of technical IT skills and business expertise which prepares them for careers in senior management roles. The programme modules are designed to provide students with the fundamental skills and knowledge required by employers in the IT sector.

The final year online top-up programme is a natural progression from our Level 5 Diploma in Computing or Level 5 Diploma in Business IT, currently offered by NCC Education as part of the top-up degree journey.

Upon successful completion of the degree, students are invited to attend their graduation ceremony at Preston Guild Hall in the UK.

Duration: 12 months
Mode of Study: Blended learning
Structure: 8 modules assignments with no exam

Graduates can pursue careers in:

1. IT Management/Consultancy
2. Software Engineering
3. Networking
4. Data Management
5. Cyber Security
6. Information Systems Management

Qualifi Level 4 Diploma in Information Technology Module Outline

Unit 4IT01: Information Technology and IT Ethics

This unit aims to develop learners' knowledge and use of information technology including the use of standard office applications to prepare documents and presentations. This includes computer software and hardware, basic computer operations, application software, operating systems, information systems and IT-related issues in computing. The unit also seeks to provide learners with an awareness of ethical issues essential to an IT professional. This includes ethics in the cyberspace, intellectual property, privacy, the issue of security and reliability, how computing affects our health, professional code of ethics and how IT changes our daily lives.

Learning Outcomes

1. Understand the mathematics underpinning information technology
2. Understand the statistics underpinning information technology

Unit 4IT02: Mathematics and Statistics for IT

This unit aims to provide an opportunity to learn mathematics and statistics and equip learners with the mathematical skills to analyse and solve problems that will enable them to work within the field of IT. The unit covers number systems, logic, relations, functions, quadratic equations, quadratic functions, simultaneous equations, polynomial equations, exponential functions, logarithmic functions, coordinate geometry and matrices. The unit provides an opportunity to learn statistics and equip learners with the descriptive and analytical methods for dealing with variability in observed data. It covers graphical presentation of data, descriptive statistics, index numbers, correlation and regression, time series, probability and statistical inference.

Learning Outcomes

1. Understand the mathematics underpinning information technology
2. Understand the statistics underpinning information technology

Unit 4IT03: PC Maintenance and Operating Systems

This unit aims to provide knowledge of personal computer hardware. Successful completion of this unit will enable learners to install a computer system unit and operating system and conduct troubleshooting. The unit provides the essential knowledge of computer hardware, the software needed to make a hardware work, the components of the hardware and the technologies and principles that support the components. In addition to this knowledge, learners will be able to assemble computer hardware to build a full set PC, understand how to install the operation system and how to conduct troubleshooting in faulty hardware.

This unit also aims to provide the basic concepts about operating systems and to be able to install, configure and operate two commonly used operating systems. It includes an overview of Windows and Linux operating systems, the installation and configuration of these systems; the use of proper file systems; managing groups and users; installing and uninstalling applications on these two operating systems; operating basic command-line environment; manipulating simple files and printer-sharing.

Learning Outcomes

1. Understand a range of operating systems
2. Understand Windows and Linux operating systems

Unit 4IT04: Computer Graphics Editing and Database

This unit aims to explain the concepts of photo editing. This will enable learners to insert photos into documents such as user manuals and the IT structure of an organization. The photos may need to be touched up before they are ready for use. This mainly involves using Adobe Photoshop and Adobe Illustrator for photo/image editing and designing. The unit delivers skills in photo retouching and digital drawing to address the issues of digital image design. It emphasizes exploration, techniques, media, ideas development and production techniques.

This unit also provides the fundamental concepts of a database system through Database Management System (DBMS), relational databases, entity relationship modelling and normalization. Learners are also required to create database systems using the database language of Structured Query Language (SQL).

Learning Outcomes

1. Use computer graphic editing techniques to edit photos and create illustrations
2. Create a database system

Unit IBL706: Legal Research and Research Methods

This unit aims to provide learners with knowledge of logical networking. It covers Transmission Control Protocol (TCP) / Internet Protocol (IP), Local Area Networks (LAN) and Wide Area Networking (WAN), including IP address and subnetting.

Learning Outcomes

1. Understand logical networking
2. Understand the components and interfaces between different logical networking attributes
3. Understand the security requirements of a logical network

Unit 4IT06: Physical IT Networking

This unit aims to provide learners with knowledge of physical networking and basic network administration skills. It covers knowledge of computer networks.

Learning Outcomes

1. Apply the components of physical networking
2. Understand the components and interfaces between different physical networking attributes
3. Install security protocols in a physical network

Unit 4IT07: Web Design

This unit aims to provide learners with skills in website design and development. This includes techniques for writing web pages with Hypertext Markup (HTML) and Cascading Style Sheets (CSS).

Learning Outcomes

1. Understand the principles of website design
2. Design a website

Unit 4IT08: Web Programming

This unit aims to provide learners with web programming knowledge and skills including advanced technologies to upload content onto the internet. Key components of the unit include the application of Personal Home Page (PHP) (Hypertext Pre-processor) and the integration of PHP with My Structured Query Language (MySQL) database.

Learning Outcomes

1. Understand the concepts, tools and techniques underpinning web programming
2. Carry out web programming

Unit 4IT09: Graphical User Interface (GUI)

This unit aims to provide learners with Graphical User Interface (GUI) programming skills. This includes objects, methods and instance variables, problem solving concepts, programming languages and GUI programming. The main focus is on the design principles of GUIs, events handling, classes and interfaces, the use of layout managers, buttons, labels, lists, text fields and panels creation and manipulation, colours and font manipulation.

Learning Outcomes

1. Understand the concepts, tools and techniques underpinning Graphical User Interface (GUI)
2. Create a GUI application using Java

Unit 4IT10: Programming Concepts and Java for Android

This unit aims to develop programming skills. This unit includes variables, control and decision (if and switch) as well as
loops and program control (for, while, do-while).
This unit also enables learners to develop software for Android telephones using Java development tools. The emphasis is on developing applications as a community that run on the Android platform. Successful completion of this unit will give learners an insight into today's common procedures for getting their mobile application work published.

Learning Outcomes

1. Create a computer program
2. Create an Android program

Qualifi Level 5 Diploma in Information Technology Module Outline

Unit 5IT01: Technopreneurship

This unit aims to provide learners with the knowledge and skills needed to establish a new techno business. It includes understanding the characteristics of entrepreneurs, planning, marketing and finance.

Learning Outcomes

1. Assess the nature of technological entrepreneurship
2. Establish a new techno business
3. Evaluate the rationale for businesses' creation, delivery and capture of value

Unit 5IT02: Network Security

This unit aims to provide learners with knowledge of network security issues in a networked environment and the process of preventing and detection common security incidents. The unit covers authentication; attacks and malicious codes; the security of remote access; email and web security; the security of directory and file transfer services; storage media; network security; intrusion detection; physical and security and disaster recovery.

Learning Outcomes

1. Understand computer network security
2. Understand methods of maintaining computer security

Unit 5IT03: C#.NET Programming

This unit aims to provide learners with the basic concepts and principles of ASP.NET programming using C#. This will enable learners to understand how to create dynamic web pages using server side programming techniques. The unit covers component-based programming and how to access records in relational databases. Successful achievement of this unit will enable learners to create their own web applications and make them available on the internet.g.

Learning Outcomes

1. Understand the use of ASP.NET
2. Design web applications using ASP.NET and ADO.NET

Unit 5IT04: System Administration

This unit aims to provide the knowledge needed to administer a system in Linux and Windows. Topics covered include user and group management; file system management; task automation; shell scripting; Dynamic Host Configuration Protocol (DHCP) servers; mail servers; domain name servers; files and printers sharing; basic utilities and tools; application management; registry; local and group policies; backup policies; restore policies and performance tuning.

Learning Outcomes

1. Understand system administration
2. Perform user management and file system management

Unit 5IT05: Network Routing and Switching

This unit aims to deliver the knowledge needed to carry out switching and the knowledge and skills needed to carry out routing – how to set up and configure a router and switches to interconnect a multi area network. The unit covers computer networks routing and switching including Router Information Protocol (RIP); Enhanced Interior Gateway Routing Protocol (EIGRP) and Open Shortest Path First (OSPF).

Learning Outcomes

1. Understand switching
2. Perform routing

Unit 5IT06: Network Design and Administration

This unit aims to provide the knowledge and skills needed to enable learners to design a network i.e. how to scale and connect different networks to form an effective inter-connecting network. It covers hierarchical network design; gathering network requirements; identifying network performance issues.

Learning Outcomes

1. Understand network design
2. Configure a local area network and a VLAN
3. Administer a network

Unit 5IT07: Content Management Systems

This unit aims to provide learners with the knowledge and skills needed to use content management systems (CMS) as a tool for the creation of digital content. Successful achievement of this unit will enable learners to understand CMS roles, content modelling, content aggregation, publication management and content migration.

Learning Outcomes

1. Understand content management systems (CMS)
2. Operate a CMS

Unit 5IT08: Web Design

This unit aims to provide learners with the skills and knowledge of client side programming and how to create a dynamic web pages using JavaScript (JS) programming language and Adobe Dreamweaver. The unit covers the creation of dynamic web pages that use form validation, validate user input, process user input at client side, dynamic navigation menu and a web client application.

Learning Outcomes

1. Understand web design
2. Create dynamic web pages

Unit 5IT09: Business to Business

This unit aims to provide learners with knowledge of Business to business (B2B) e-commerce. This includes Electronic Data Interchange (EDI), Electronic Funds Transfer (EFT), online transaction processing, inventory management systems and supply chain management.

Learning Outcomes

1. Understand Electronic Data Interchange (EDI)
2. Understand Electronic Funds Transfer (EFT)
3. Understand online transaction processing (OLTP)
4. Understand inventory management systems
5. Understand supply chain management

Unit IT10: Business to Consumer (B2C)

This unit aims to provide learners with knowledge of business to consumer e-commerce. This includes the concepts and techniques used in mobile e-commerce and ticketing, the psychology of marketing, artificial intelligence (AI) in image recognition and social commerce.

Learning Outcomes

1. Understand the concepts and techniques used in mobile e-commerce and ticketing
2. Understand the psychology of marketing
3. Understand the use of artificial intelligence (AI) in image recognition
4. Understand social commerce

ABOUT US
關於我們

The UK Education" provides overseas study counseling services, focusing on assisting your overseas study journey. "The UK Education" has one of the most integrated British school networks among all the local overseas advanced study companies. Our professional counseling team provides one-stop services such as assisting in school applications, arranging interviews, etc. We help to assist students to analyze each school in details, and provide one-on-one consultation services for further studies.

The UK Education provides different professional qualifications in the fields of business, law and finance to promote and strengthen trade and business development for chambers of commerce composed of administrators and managers. The centre provides professional training and qualification programs from time to time to train local and international elites from different fields in all areas for the Asian economy and even the global business. We are committed in helping employees enhance their career prospects through these accredited qualifications, and supporting the development of their management and professional skills in the workplace.

UK Education一直提供海外教育輔導服務，專注於協助您的英國教育，並擁有香港最完整的英國學校網絡之一。 我們專業的輔導團隊提供協助學校申請、安排面試等一站式服務，協助學生詳細分析每所學校，並提供一對一的升學諮詢服務。

UK Education在商業、法律和金融領域提供不同的專業資格，以促進和加強由行政人員和經理組成的商會的貿易和商業發展。中心不定期提供專業培訓和資格認證項目，為亞洲經濟乃至世界商業培養各個領域不同領域的本地和國際精英。我們致力於通過這些認證資格幫助員工提升他們的職業前景，並支持他們在工作場所的管理和專業技能的發展。

The Object of the Centre

中心的遠景

1. Provides career path that support students who wish to develop their management skills, enterprise capabilities and opportunities in their chosen field
2. Helps students to improve their understanding of any given business environments and organizations and how should they manage and develop in the given situation
3. Helps students to develop skills and abilities, and support their professional development

1. 為希望在所選行業發展管理技能、企業能力和機會的同學提供職業道路支持
2. 提高同學對任何商業環境和組織以及它們是如何管理和發展的理解
3. 培養同學的技能和能力，以支持他們的職業發