

BSc (Hons) Business Computing

Anglia Ruskin University



Online-based distance learning

Qualification

On successful completion of the programme you will be awarded a BSc (Hons) Business Computing.

Awarding Body

Anglia Ruskin University

Course Description

This programme is designed to develop computational thinking, including its relevance to everyday life. You will develop skills in modelling and the design of computer-based systems, as well as critical evaluation and testing skills. This programme recognises the professional, economic, social, environmental, moral and ethical issues involved in the sustainable exploitation of computer technology.

Mode

Online distance learning

Course Content (Modules)

Level 4

- Computer Technology

This module will enable you to understand computer systems, including hardware, systems software and basic networking concepts, and to apply theoretical knowledge to practical situations when building, configuring and maintaining computer systems.

- Web Development

During this module, you will learn the concepts and processes of website design and apply your own creativity in designing and developing interactive websites. You will begin to apply business skills in the design of an e-Commerce web site for an organisation.

- Software Engineering

The aim of this module is to give you an understanding of a disciplined approach to the development of software and the management of the software product lifecycle

- Database Design Concepts

The module will give you opportunities to develop an understanding of the concepts and issues relating to databases and database design as well as the practical skills to translate that understanding into the design and creation of complex databases.

- Information Systems in Organisations

This module aims to provide an understanding of how organisations use information systems to help them manage their specific needs

- Employability and Professional Development

In the current climate, students generally require employability skills as a pre requisite to entering the job market. This module gives you an opportunity to assess and develop an understanding of your own responsibilities in or when entering the workplace.

Level 5

- Data Communications

During this module, you will begin to understand data communications concepts, current implementations of these concepts and the application of data communications to providing networked services.

- Internet Server Technology

This module aims to provide you with an understanding of networking infrastructures, the directory based system that supports the addressing and resource management of any large scale networked system. You will become enabled to implement and manage secure internet technologies for networking systems.

- Quality Systems in IT

During this module you will gain an understanding of the importance of the quality process as applied to IT related systems development.

- Advanced Databases

This module will give you an understanding of the different functionality a relational database can support. On completion of this module you will be able to:

1. Explain the role of relational databases in supporting Decision Support Systems
2. Enumerate the features of a Distributed database
3. Demonstrate how relational databases support Object Oriented development
4. Use relational databases to support Multimedia

- Systems Analysis and Design

The aims of this module are to provide you with the knowledge and skills to undertake a systems analysis investigation by following a recognised methodology. You will consider different systems life cycles, undertake a feasibility study and perform a systems investigation.

- Research Skills

This module will equip you with the knowledge and research skills needed to select a research question and design a research proposal for a chosen topic of interest. You will compare and contrast different research methodologies, conduct a literature review and present a research proposal.

Level 6

- Current Trends in Networking

This module aims to deal with selected, advanced topics in networking and data communications. You will develop an insight into in depth issues relating to network services provision and the leading edge of commercially available and emergent network technology and their application in real world situations.

- Online Business Systems

This module, which aims to deal with selected, advanced topics in networking and data communications, is intended to:

- Develop the theory and technical skills required to design and develop dynamic web applications.

- Enable you to develop a static prototype using XHTML and CSS2.

- Enable you to produce server side interactions using PHP and MySQL.

- Develop the use of a methodology to underpin project development.

- Understanding Systems

The aims of this module are to give you an understanding of what a system is and the role of a systems approach in analysing complex situations. You will learn about the types of systems, system components, hard and soft systems and the role of models in understanding systems.

- Database Solutions

During this module you will gain an understanding of the role of a relational database, and the approaches to designing, building and implementing a relational database.

- Management in IT

This module will enable you to embrace the work based activities expected of a technology manager, by providing the generic skills, knowledge and understanding required in the IT environment.

- Practical Project

The aim of this written project is to give you an opportunity to produce a piece of practical work which will culminate in the writing of a report.

Assessment

You will complete 18 assessments in total: 15 assignments of 4,000 words, an exam, a research proposal and a practical project and report. A number of the assignments will be based on either a case study or a scenario that you will design and test a solution for.

Duration of Programme

The minimum period of registration is three years, but this may be extended to suit your individual needs for up to a maximum of six years.

Entry Requirements

For the full degree:

- Two 'A' levels passes (or equivalent)
- GCSE English and mathematics (or equivalent)
- English language ability equivalent to IELTS 6.0, where the medium of schooling was not English.

Or, for the final year top-up:

- BTEC Level 5 HND Diploma in Business (Computing)
- English ability equivalent to an IELTS score of 6.0.

Applications without these qualifications may be considered on their own merits, and you are encouraged to submit an application.

What's Included

RDI's virtual learning environment ilearn is used to deliver all resources for this course including:

- Study materials - Access electronic copies of your learning materials and important information, such as assessment instructions, whenever and wherever you are.
- Tutor support - Tutors use live chats and forums to stimulate discussions, request input and highlight external sources.
- External resources - Links to external sources can include key journal articles, your university's online library, sites of topical interest, etc.
- Discussion with other students - Forums allow students to come together, share thoughts and ideas and you can initiate topics that you want to discuss with your fellow students.

Please note students may be required to purchase certain software.

Workload

We recommend an average of 12-15 hours study time per week for this programme.

Exemptions

We may be able to offer you exemptions based on prior study, as this degree is also available as a final year top-up.

How to Apply

In addition to a completed application form:

- A personal statement
- Certified copies of your relevant certificates and transcripts
- Copy of your CV detailing your work history and one professional reference (if applying without A-levels)
- Proof of English language ability (IELTS or TOEFL), if English is not your first language or you have not previously studied in English

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What You Could Study Next

Anglia Ruskin University MSc Information Technology