



NEW START4U CIC
024 7767 1470
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12-14 Riley Square,
Coventry CV2 1LX, UK

BSc (Hons) Applied Computing (Top-Up)

London Campus

Level of study: Undergraduate (Top Up)

Mode of study: Full-time

Duration: 1 year

Overview

If you are interested in a systems development and management career and currently hold a Foundation Degree or HND (Higher National Diploma) or equivalent, the BSc (Hons) Applied Computing (Top-Up) allows you to gain a full

undergraduate degree within one year of study.

Key facts

- . Top-Up your Level 5 qualification to an undergraduate computing degree in 1 year
- . Develop highly sought after skills for a rapidly growing sector
- . Continue your studies with our postgraduate computing programmes when you pass with a 2:2 or above

Course information

UCAS code: UCAS code G510

Level of study: Undergraduate (Top Up) degrees

Fees: contact us to find about current fees and student finance support

Entry requirements: HND/Foundation Degree in a related discipline with GCSE Maths and English language at grade C or above IELTS 6.5 (or above) with no single element below 5.5 or equivalent .

English language requirements: IELTS 6.5 (or above) with no single element below 5.5 or equivalent

Mode of study: Full-time

Duration: 1 year

Assessment methods: Coursework includes reports, presentations, code using programming languages

Scholarships or bursaries: available

Student finance: available

Payment plan: available



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Starts: Jan, Sep,

About this course:

What will I study?

If you are interested in a systems development and management career and currently hold a Foundation Degree or HND (Higher National Diploma) or equivalent, the BSc (Hons) Applied Computing (Top-Up) allows you to gain a full undergraduate degree within one year of study.

Throughout the course you will study a wide range of topics, from systems development and strategic systems management, to social and current issues in computing, and professional management and practice.

You will also complete a case project, which will provide you with the opportunity to apply all of your existing skills to a substantial software development problem.

How will I be taught and assessed?

Teaching on this programme is delivered through lecturers, seminars and practical workshops where you will develop your skills, totalling between 12-13 hours per week. You will also be expected to engage in independent study involving directed and self-directed learning, around 29 hours per week.

Each module of study is assessed by coursework assignments. The individual project may be initiated by the University, the student, or an external client and consists of an end product and a report explaining and evaluating the project process.

All modules have some elements of practical work, the majority of which require the use of computer systems. You'll be taught by experienced lecturers and academics who use their industry experience to demonstrate how the theories you will learn translate in to real life situations.

Technology Enhanced Learning (TEL) is embedded throughout the course with tools such as the 'Blackboard' eLearning Portal and electronic reading lists that will guide your preparation for seminars and independent research.

Careers and further study

Upon successful completion of this course, with a minimum of a 2:2 degree, you will also be able to further your understanding of this subject area with the option to progress on to one of our postgraduate computing programmes. After completing the course, you will be well placed to pursue a career in a wide range of business or computing focused roles, for example, in systems and application development, computer programming or project management.

Entry requirements

Applicants should have the following:

Academic requirements

- . A HND/Foundation Degree in a related discipline
- . A good GCSE profile including Maths and English Language at minimum grade C or equivalent

Students seeking to join the course as either direct or alternative applicants should seek approval of their HND or Foundation Degree prior to applying on UCAS. A list of modules is required as part of this approval process.

English language requirements

Students require IELTS 6.5 (or above) with no single element below 5.5 or equivalent. If you have IELTS 5.5 – 6.0, you may be eligible to join our Pre-Sessional English before starting this programme.

Modules

All modules on this course are core.

You will be taught using a range of methods including lectures, seminars and practical workshops in our computing laboratories.

Strategic Systems Management (20 credits)

The aim of the module is to develop your understanding of the concepts associated with the strategic management of organisations and the importance that information systems can make to the implementation of that strategy. On completion of the module you will be able to critically analyse the strategic position of an organisation and set out proposals for the use of information systems to gain competitive advantage. The module includes a study of areas where information systems have made a significant impact on providing organisations with competitive advantage.

Object-Oriented Modelling & Design (20 credits)

This module will enable you to develop the knowledge and skills to model business problems and their solutions using the leading object-oriented modelling language. You will learn about the ideas that underpin the object-oriented approach to software development, which is today's leading software paradigm. This module is a highly practical module: lectures introduce concepts and techniques and examine worked examples, while seminars provide extensive practice at using the various techniques to build analysis and design models.

The assessment applies what you have learnt to a substantial scenario and explores your critical awareness of the concepts, methods and techniques. The module is an ideal complement to the study of object-oriented programming.

You will also gain skills that are widely used by systems analysts and software designers in specifying system requirements, analysing problems, designing software solutions, and communicating about those solutions.

Project Management & Professional Development (20 credits)

This module will further develop your academic skills in the planning and control of projects to the level expected on a final year of an undergraduate degree programme. You will learn about project management

techniques and professional issues associated with the computing industry and will enhance your critical reflection and other transferable skills which will aid your studies and support your career progression after graduating.

Team Project and Professionalism (20 credits)

This module gives you the opportunity to work in a team to build a computing product which develops and demonstrates your skills in leadership, team work, project management, planning, communication (both written and oral) as well as technical skills in the technology you choose to implement in. This module aims to give you a ‘real-world’ experience of team working which is an invaluable asset and highly prized by employers. The project and its potential future commercial exploitation provide a context for you to critically evaluate you and your team’s performance, the fitness for purpose of the product you have developed and the legal, ethical, professional and social content of your chosen specialism. You will engage in peer assessment of your peers’ reports. This peer assessment will further develop your criticality and your wider appreciation of the professional, legal, ethical and social environment that IT Professionals operates within. These are attributes that will help you in a career in computing.

Object Oriented and Web Programming (20 credits)

This module will enable you to develop high-level object oriented programming solutions and specifying, designing and implementing web based systems. A practical focus is taken with the aim of helping you develop a critical understanding and the ability to apply the relevant technical skills and appropriate theory.

The module aims to provide you with a systematic understanding of the principles, knowledge and skills required to design, implement, test programs written in an Object Oriented language. Furthermore, you will extend your theoretical understanding and develop practical skills for merging database and Internet technologies for the development of web based systems.

Social Issues in Computing (20 credits)

In this module you will develop a critical awareness of the social and ethical implications of the use and development of information systems in business/industry and/or the wider society. You will examine how organisations can integrate social and ethical approaches to systems development. Communication is an essential skill which will assist you through both your academic and professional career. This module aims to give you the skills to evaluate the materials you research and the ability to present your findings, correctly and clearly, both in written and verbal form. The field of computing and technology develops at a startling rate and has the potential to do immense good – but can also be responsible for considerable harm and it will be your ability to research and recognise where technology, computers and computer software might be open to abuse that might help the computing industry avoid some of the more harmful developments in future.

Academic Language Skills (0 credits)

Academic skills when studying away from your home country can differ due to cultural and language differences in teaching and assessment practices. This module is designed to support your transition in the use and practice of



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technical language and subject specific skills around assessments and teaching provision in your chosen subject. The overall aim of this module is to develop your abilities to read and study effectively for academic purposes; to develop your skills in analysing and using source material in seminars and academic writing and to develop your use and application of language and communications skills to a higher level.

Please note that your tuition fees do not include the cost of course books that you may choose to purchase, stationery, printing and photocopying, accommodation, living expenses, travel or any other extracurricular activities. As a London Campus student, you will have full access to our online digital library with over 400,000 e-books and 50,000 electronic journals.

The modules you will study do not require you to purchase additional textbooks although we recommend you allow an additional £200 for the duration of your studies should you choose to purchase any additional reading materials.