BSc (Hons) Computing & Internet Technologies

Subject: Computing
Type: Bachelors Degree
Course Code: AAC601T/HM1
Attendance: Full Time
Location: Taunton
Awarding body: The Open University

Description

We are living in one of the most documented, recorded, analysed and inter-connected periods in our history with many aspects of our daily lives now being assisted by increasingly complex computerised technology. From smartphones and smart TVs to self-driving cars and big data systems, our economy places great importance on serious computing and programming skills to shape the future of society. Develop skills in computing and digital technologies and you'll be employable the world over.

This industry sector continues to grow and this degree has been carefully designed to equip you with the vital technical skills employers require for their workforce. Included in our provision is a commitment to developing your professional skills, in order to enhance your employability upon graduation.

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In your first year you will cover:

• Programming and Software Fundamentals
• Web Application Development
• Networking and Cyber Security Fundamentals
• Databases and Information Systems
• 3D Visualisation and Interaction Design (IxD)
• Professional Skills and Industry Practices

The second year covers:

• Advanced Programming and Software Engineering
• User Experience (UX) and Full Stack Development
• Advanced Networking and Cyber Security
• Big Data and Data Science

• Virtual Reality and Immersive Technologies
• Digital Technologies Industry Project

The third year covers the following:

• Software Development and Quality Assurance
• Smart Device Application Development
• Penetration Testing and Ethical Hacking
• Advanced Programming
• Artificial Intelligence and Machine Learning
• Individual Professional Project

Find an example of the course handbook here

For more information about regulations and policies relevant to studying with the Open University please visit our Wider Information Set page.

Teaching and Assessment

Our specialist teaching staff have hands-on experience of working in computing, and offer expert tuition in labs and classrooms.

Assessment is through a mix of assignments, examinations, reports and presentations. As part of the course, you will be required to undertake projects both in groups and individually.

A prominent feature of the course is the use of in-course assessment, where modules are assessed by the course teaching team as you complete them. The focus of the degree is the final year major project and dissertation, showcasing your high level computer skills.

Career Progression

As a computing graduate, the world really is your oyster. You will be equipped with a range of computer skills that are all highly desirable to prospective employers. Moreover, you'll have experience of working in real-world environments where adaptability and the ability to handle pressure are essential.

Entry Requirements

Applicants require 80 UCAS points at AS/A2 Level (minimum 32 points at A2 Level) or equivalent Edexcel qualification (Extended Diploma - MMP/Diploma - DM), or Pre-degree Access Diploma. Students also require 4 GCSEs at grade A*-C (new grading system 9-4) including English and Maths or equivalent Level 2 Literacy and Numeracy.

Applicants with English as their second language must have minimum IELTS Level 6 or equivalent.

The nature of study at this level requires GCSE grade A*-C (new grade system 9-4) in English and Maths or equivalent qualification. Under exceptional circumstances, a conditional offer may be made to a prospective learner to include an expectation of working towards GCSE Maths grade C or Level 2 Numeracy alongside completing the degree programme. Mature students who do not meet these formal entry requirements are welcome to apply, if they can evidence their commitment to the subject through previous experience.