BSC (HONS) APPLIED COMPUTING TECHNOLOGIES

BSc (Hons) Applied Computing Technologies is a top-up degree that provides advanced knowledge in a broad range of computing subjects including networking, security and cloud computing. This is a 1 year course for students who have completed one of our FdEng Software Engineering, FdSc Cyber Security or FdSc Computer Technology courses (or other relevant level 5 qualification such as a HND). There is a strong focus on applied research and project-related skills as well as analysis of new and emerging technologies.

Level 6 · Bachelor's Degree · Truro College

TOP COURSE HIGHLIGHTS

SMALL CLASSES | EXCELLENT TUTOR SUPPORT | MODERN FACILITIES | PROGRESSION OPPORTUNITIES

EXCELLENT COMPUTING FACILITIES

Learn in new, bespoke, excellent computer facilities, incorporating sandboxed/isolated physical and virtual labs and industry-approved digital forensic equipment.

REAL PRACTICAL PROJECTS

Investigate, analyse and provide practical working solutions to current industrial IT problems aligned with business and entrepreneurship.

DEDICATED WORKSHOPS AND 1:1 SUPPORT

A range of dedicated, practical and theoretical workshops, to encourage personal development and 1:1 tutor/lecturer support.

WHY CHOOSE THIS COURSE?

The BSc (Hons) Applied Computing Technologies degree is designed for students who wish to complete an undergraduate qualification and is a suitable progression route for professional development.

The course enables students to maximise their career prospects through working with local employers. The focus is on applied research and project-related skills, as well as the analysis of new and emerging technologies and applications in computing.

This course utilises links with local employers, giving you the opportunity to gain valuable working experience and maximise your future career prospects. The vocational nature of the course encourages you to seek relevant employment alongside taught hours so you can apply the theory to reality. Employers are invited in to speak to students about work opportunities for future careers, coupled with various enhancement trips and visits to workplaces and careers fairs, you're sure to graduate with employability skills. Students are encouraged to aim their final year major project at real world problems, gaining an understanding of the IT working world. Graduate jobs within the field of computing often include roles such as software development coordinators, web content managers; web designers and IT support technicians.

WHAT WILL I LEARN?

Core modules:

Professional Project - The professional project gives an opportunity for learner to undertake a major computing related project in an area relevant to the programme of study. This module supports learners to manage their own research or development activities, plan a project from realisation of an idea, through to design, implementation, testing and review, and develop specialist expertise within the project subject area.

Emerging Technologies - This module allows students to identify, evaluate and discuss current and future technical trends and moral, legal and social issues relating to the use or development of technology.

Cloud Computing - This module introduces and examines cloud computing, describing the software components from which cloud infrastructure and platforms are constructed. Methods for building scalable cloud applications are described and explained together with the concepts of virtualisation and the practical implementation of cloud computing infrastructures.

Advanced Networking and Simulation - This module covers issues relating to network monitoring and management together with simulation technologies and the fundamentals of simulation design. Common monitoring techniques and methods of network supervision are covered as well as advancing knowledge of networking principles and network desig

Optional Modules: Advanced Cyber-Security Applied Programming

Programme Quality Handbook

WHERE WILL IT TAKE ME?

Progression:

Upon completion of the BSc (Hons) Applied Computing Technologies students may be suited to work in a variety of settings and these opportunities include, but are not limited to working in the following sectors:

- Software Developer
- Software Tester
- Network Engineer
- Cloud Computing Engineer

ENTRY REQUIREMENTS

120 credits at Level 4 and 120 credits at Level 5. In practice, this usually means a Foundation Degree, HND or equivalent with 40% or more for the aggregate mark. Applicants from Foundation Degrees with elements of computing, software development, computer networking, game development or computer security will be considered on an individual basis through interview and application.

IMPORTANT

Course information can change. Please use the QR code below for the current assessment arrangements, entry requirements and start dates.