EVERYONE HAS AN INNER GENIUS

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TEF Silver

AWARDED SILVER IN THE 2017 TEACHING EXCELLENCE FRAMEWORK

HNC Computing & Systems Development

"The way to be successful in the software world is to come up with breakthrough software, and so whether it's Microsoft Office or Windows, it's pushing that forward. New ideas, surprising the marketplace, so good engineering and good business are one and the same." Bill Gates

COURSE OVERVIEW

Our HNC is a specialist computing course. It is designed to equip you with the knowledge, understanding and skills required for success in current and future employment in an ever expanding IT industry. You will establish essential skills in network design, computer architecture, software development & systems, web design and maintenance as well as professional development.

MODULES

Core

– **Business Skills for E-commerce**
The unit considers the structure and aims of organisations to better understand how they could benefit from an e-commerce system.

– **Computer Systems**
Learn basic system maintenance skills and how to build, configure and test functional computer systems with a given specification.

– **Employability and Professional Development**
The unit considers the skills required for general employment such as interpersonal and transferable skills.

Optional

LOCATION
WORCESTER
WCOM-HC4-1819

UCAS CODE
024G

COURSE LENGTH
1 year full-time
2 years part-time

TUITION FEES
£8,000 per year full-time
£4,000 per year part-time

ADDITIONAL COSTS
Additional costs may be incurred for the costs of consumables and trips/excursions.

AWARD ON SUCCESSFUL COMPLETION
Edexcel BTEC Higher National Certificate in Computing and Systems Development

HOW TO APPLY
Full-time applications:
www.ucas.com
Part-time applications:
www.howcollege.ac.uk

For further information please visit howcollege.ac.uk
or email our HE Admissions team headmissions@howcollege.ac.uk

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– **Emerging Technology**
This unit explores a range of technologies that are on the horizon and the impact that such technologies could bring to society.

– **Website Design**
This unit considers the whole process of building websites, including identification of need, design, implementation, testing, maintenance and review.

– **Database Design Concepts**
This unit explores database architecture, DBMS and the use of databases in an organisational context; learners will be able to apply theoretical understanding to design, create and document a database system.

– **Event Driven Programming Solutions**
This unit gives learners the underpinning concepts of event driven programming and develop skills in one chosen programming language.

– **Networking Technologies**
This unit lets learners understand computer networking concepts, how they work, how they operate and the protocols, standards and the models associated with networking technology.

– **IT Support for End Users**
Learners will evaluate how problems affect user productivity, provide technical support activities and produce user manuals, training courses and maintenance plans.

ENTRY REQUIREMENTS
UCAS Points: 64

Alternatively, 'A Level' pass in an IT related subject or equivalent, or BTEC Level 3 Extended Diploma in IT. For applicants 21 and over, relevant industrial experience or vendor certification will be taken into account.

Learners are expected to be able to demonstrate English language comprehension at a level equivalent to IELTS 5.5 to be able to study BTEC Higher Nationals.

DELIVERY INFORMATION
Units will be taught using a variety of teaching and learning styles: formal taught sessions, directed learning, tutor-led discussion and seminars, practical workshops with students working individually and/ or in groups according to need and their learning preference.

Class sessions will be complemented by independent, self-directed learning using a Virtual Learning Environment (Moodle).

Full-time study is sixteen hours per week, over two semesters, including tutorial time. Part-time study is eight hours per week, over two semesters, including tutorial time. It is expected that for every hour spent in the classroom, the equivalent is dedicated to independent, self-directed learning outside contact hours.

**For further information please visit howcollege.ac.uk
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METHODS OF ASSESSMENT
Units will be assessed using a variety of methods: reports, seminars, presentations, practical workshops, academic essays, screencasts and portfolios of evidence. Alternative assessment methods may be used where appropriate.

CAREER OPPORTUNITIES AND PROGRESSION
After successful completion of the HND you could carry on to do one more year at university to gain a BSc Honours degree in Computing. Local providers are The University of Worcester and Birmingham City University. The course also provides you with the relevant vocational and technical skills to start work in software development, web development, network engineering or systems administration and we work with many local employers to help students gain employment after finishing the course.

STAFF EXPERIENCE
The Computing teaching team is made up of highly experienced vocational staff with several years' experience of teaching both software development and networking at undergraduate level. All team members have relevant teaching qualifications which arm them with the skills to share their first-hand knowledge and expertise with students.

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