Leicester College

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Computing (Network Engineering) HTQ Higher National Diploma

Course Overview

The Higher National Diploma in Computing (Software Engineering) is a full-time two year course awarded by Pearson. The programme is delivered within an approx.14 hour workshop/lecture blended programme with staff contact over a period of 32 weeks. This two year HND in computing leading towards a network engineering pathway is designed to enable you to demonstrate knowledge, skills and behaviours and develop employability skills to attain the HTQ (Higher Technical Qualification) status recognised by employers.

 Due to the practical nature of the course, you will be required to have access to an entry-level personal computer running the most current Windows operating system and software development environments like Visual Studio and Cisco Packet Tracer.

What you will learn

During the first year of the course you will focus on developing essential skills, which are fundamental to success going forward ad you apply them to a wider context in year two.

 The modules you will study include the following:

 Programming
 Networking
 Professional practice
 Database design development
 Security
 Planning a computing project (Pearson-set)
 Computer Systems Architecture
 Maths for Computing

Year two involves expanding your knowledge from the first year and building it into a workplace context, preparing you for the reality of industry work in a professional setting.

 Modules include:

 Computing research project (Pearson-set)
 Business process support
 Transport network design
 Cloud computing
 Network security
 Emerging technologies
 Network management

Entry Requirements

Students who have recently been in education are need a minimum of 48 UCAS points from a recognised level 3 qualification:

 BTEC level 3 or T level qualification in computing or GCE Advanced level profile that demonstrates strong performance in a relevant subject or adequate performance in more than one GCE subject.

 This profile is likely to be supported by GCSE grades of A* to C (or equivalent) and/or 9 to 4 (or equivalent) in subjects such as maths and English:

 Other related level 3 qualifications, an Access to Higher Education Diploma from an approved further education institution, relevant work experience, or an international equivalent to the above qualifications.

 We will also accept IELTS 5.5 where (reading and writing must be at 5.5).

 Our Recognition of Prior Learning policy means that students' previous learning and experience can be taken into account and they may be awarded certain qualifications or units of a qualification based on that learning or experience.

How you will be assessed

There will be a wide range of assessment methods such as;

 1. Project proposal - a formal account of the planning and intended scope of a project, written or presented early in the development cycle.
 2. Presentations - either an individual or a group talk which is specifically structured to communicate relevant information.
 Practical demonstrations
 3. Online electronic evidence
 4. Report - write-up of a project using a formal and concisely-structured style.
 5. Essay - a piece of writing that explores a topic in detail. Written in a formal, organised style adopting good academic practice and usually set with a minimum word limit.
 6. Peer evaluation - is often used when undertaking projects as a stimulus for thinking about your own performance in relation to others.
 7. Self-evaluation - an opportunity to reflect on individual performance and development – often tracked through a notebook log or Viva voce
 8. Observation records
 9. Witness statements
 10. Use of blogs and vlogs
 11. Discussions
 12. Group work

Course Progession

Higher technical qualifications are primarily designed for entry into skilled employment or those looking to retrain or upskill, you could also progress to further study and/or training.

 It will give students an opportunity to further academic progression as well as career progression in computing and software engineering. We will work with employers to provide the opportunity for practical skills to be learnt through a work placement/work-based environment.

What Happens Next

Applications to this full-time undergraduate course should be made through UCAS at ucas.com using the course code CM76, institution code L36. If you haven't started a UCAS application yet, and only want to apply to Leicester College, you can apply directly to us using our direct application form via the College Website and we will process a UCAS application on your behalf. Due to the nature of this programme, you may also be invited to attend an interview, or where necessary, other means of interview (i.e. telephone, web-based, Microsoft Teams) can be arranged.

Course Details

Course Code P00543

Start Date 23/09/2024

Study Hours Full Time

Duration 2 years

Campus St Margaret's Campus

Level 5

Apply Here