Leicester College

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Applied Computing Higher National Diploma

Course Overview

This two year Higher National Diploma (HND) course covers a range of skills and knowledge around current IT technologies including; web, mobile applications, programming, and networking.
 You will develop a strong grounding in computer architecture, systems development, analysis, database design, and programming, alongside work-related skills such as team communication and professional practice.

 This qualification, awarded by De Montfort University, offers two years of study to achieve a Higher National Diploma, with the option to top up to an undergraduate degree in Applied Computing. A top up to a BSc degree requires an additional year of full-time study at De Montfort University.

 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.

What you will learn

Year one of this course will be focused on developing essential skills as a foundation before applying them to a wider context in year two.

 The modules you will study include;
 Block 1: Foundation of Computing
 Block 2: Programming in Python
 Block 3: Data Analytics and Statistics
 Block 4 : Information systems analysis and design

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.

 The modules you will study include;
 Block 1 - Programming with APIs and Framework
 Block 2 - Business Intelligence
 Block 3 - Information and Database Development (15)
 Block 3 - Intro to Information Security (15)
 Block 4 - Integrated Project

Entry Requirements

Entry to this course requires a minimum of 48 UCAS points from a recognised level 3 qualification in a related subject to include Software Development related modules (ie, two A2s at grade D, an extended diploma PPP, or an Access to HE course). You are expected to hold GCSE English and maths at grade 4/C or equivalent.

 We welcome applicants who do not match standard entry requirements but who can demonstrate the ability to study this subject at a university level and who can evidence relevant experience. Overseas students will be assessed on their prior qualifications (including IELTS 5.5), work experience, or through an e-portfolio of work.

How you will be assessed

You will normally attend around 14-16 hours of timetabled taught sessions each week and are expected to undertake at least 24 further hours of directed independent study and assignments as required.

 Assessment in each module is designed to meet its specified learning outcomes and consists of at least three formal assessments. These are largely made up of ongoing coursework using a variety of different methods such as formal assignments, practical labs, case studies and phase tests. There is also the possibility of an end of module examination.

Course Progession

In the last 12 months, there were 7,200 job postings in Leicestershire demanding advanced digital skills (LLEP report)

 The HND qualification is recognised to provide students with the knowledge and skills needed for employment in a variety of professions. Employment in roles such as a systems analyst, a web developer, a programmer, a database developer/administrator, and IT support are all potential options for career progression. You may also choose to continue your studies on the BSc Applied Computing Degree at De Montfort University or another university.

What Happens Next

Applications to this full-time undergraduate course should made through UCAS at ucas.com using the course code 105G, institution code D26. 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 P00537

Start Date 30/09/2024

Study Hours Full Time

Duration 2 years

Campus St Margaret's Campus

Level 5

Apply Here