

ST PATRICK'S



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HND INFORMATION SYSTEMS ENGINEERING (ISE)

School of Technology



edexcel



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COURSE OVERVIEW

This two-year Higher National Diploma (HND) offers an in-depth study of information systems development, which modern organisations rely on. The course includes practical assignments and specification-based activities, covering key areas in computer programming and software engineering, such as establishing software-based systems within a fixed or mobile environment, website design, database design, and computer-based applications. Students are required to undertake a 2nd year project, researching a topic of their choice. Successful completion of the course provides access to the final year of most BSc degrees within a related field of computer engineering or ICT*. The course is delivered over two years and six terms, with approximately three units (modules) studied during each term:

Year 1

- Computer Systems

- Networking Concepts
- Programming Concepts
- Data Analysis and Design
- Systems Analysis
- Website Design
- Object-Oriented Design
- Personal Skills Development

Year 2

- Object-Oriented Programming
- Application Engineering
- Web Application Development
- Mobile Platforms
- User Interface Programming
- Advanced Programming Concepts
- Neural Networks
- Information Systems Engineering Project

CAREER DIRECTION

This qualification opens up employment opportunities within software development, software engineering, or database engineering. You could begin a career as a computer games developer, web developer, or systems analyst.

FACTS & REQUIREMENTS

Academic level: 5

Duration: 24 months

Start date: March 2018

Awarded by: Pearson Edexcel

- Level 3 qualification or equivalent;
- GCE Advanced level profile demonstrating strong performance in a relevant subject or an adequate performance in more than one GCE subject;
- An Access to Higher Education Certificate awarded by an approved further education institution;
- Mature learners without formal qualifications are required to present a profile of achievement in the form of 2 years related work experience (paid or unpaid) and will be subject to relevant entry assessments;
- All applicants must pass an Academic Interview;
- Proficiency in English at a standard commensurate to IELTS 5.5.