

## 3 years - 180 credits

The aim of this programme is to produce graduates with the skills knowledge and competence, to enable them to work in the technical management of IT resources. Areas covered include, Advanced Web Development, IT scripting and Automation, Cloud & Distributed Computing, Networking, Advanced Databases, Information Security, Operating Systems and either a Software Development or Innovation Entrepreneurship module depending on elective choice.

## Entry requirements

The course would particularly suit anyone who has already worked in an information technology role and who now needs to update or up skill in order to access current job opportunities.

If under 23 years applicants must have a grade D3 in a minimum of five subjects in the Leaving Certificate examinations, (this must include Maths and English/Irish) or a FETAC Level 5 qualification or equivalent. Mature students (over 23 years) may be exempted from this requirement and are eligible to apply if they take part in our Head Start Maths Programme. All applicants must prove competence in spoken and written English. Eligible candidates may be interviewed

## Who can apply?

The course is open to all eligible students

## Course Summary

Graduates of this programme have strong technical skills across a range of current IT technologies and are in a position to analyse, configure, make secure and manage the IT resources in an organization. This programme is

available through an advanced entry mechanism for suitability qualified candidates.

## Course Timetable

**Flexible Course Delivery** A Flexible Information Technology Education (FLITE) programme.

Three evenings per week (6.00pm to 10.00pm)

This programme is delivered using a blended learning model so students have some choice about when they attend. This allows each student to match their study with home, family, work or social commitments.

- Classes and laboratories are delivered typically 2.5 or 3 evenings per week.
- Attendance is only compulsory for continuous assessments. (An assessment schedule is given at the beginning of the semester.)
- You choose what to attend based on your own skills and knowledge – use the Saturday sessions to catch up if you cannot attend a particular class.
- On Saturday mornings tutors are available provide support with the subjects on the programme. Typically people seek to go over material where they missed a class during the week or seek extra help with areas they are finding difficult. Extra classes can be arranged in response to demand.

All lecture notes and a range of other supporting resources are available over the web via a learning management system.

## Course Information

### Careers Development & Experiential Learning

Completion of a graded work placement element is a requirement of this programme. If you are in work and already working in the IT area, you can gain you work placement credits as you do your daily job. Alternatively, the Institute will make every effort to facilitate a work placement with a suitable company for you. However the co-operating companies normally require you to pass a work placement interview.

Career planning events e.g. Curriculum Vitae preparation, Developing a LinkedIn Profile and Mock interviews are included in this programme over the two semesters.

A individual project is also completed over the two semesters.

- Semester 1
  - Software Development 1
  - Business Information Systems
  - Object Oriented Systems Analysis
  - Computer Architecture
  - Learning to Learn
- Semester 2
  - Software Development 2
  - Database Fundamentals
  - Discrete Maths 1
  - Statistics
  - Social Media Communications
- Semester 3
  - Web and User Experience
  - Database Design and Programming
  - Software Quality and Testing
  - Operating Systems Fundamentals
  - Networking 1
- Semester 4
  - Web Design and Development 1
  - Database Administration
  - Discrete Maths 2
  - Financial Management
  - Networking 2
- Semester 5
  - Web Design and Development 2
  - Advanced Databases
  - Object Oriented Analysis and Design
  - Operating Systems
  - IT Service Management
  - Careers Development and Experiential Learning
  - Project
- Semester 6
  - Object Oriented Software Development (e) or Innovation and Entrepreneurship (e)
  - Distributed and Cloud Computing
  - Information Security
  - Networking 3
  - Management Science
  - Careers Development and Experiential Learning
  - Project

## Career Opportunities

- Graduates from this course have went on to pursue roles as data analysts, support engineers, QA consultants, security engineers, network engineers, database administrators and IT system managers with such companies as SAP, SAGE, Microsoft, IBM, Equinox, Version1 and Bank of Ireland.
- 
- This programme develops in graduates strong technical skills aligned to an understanding of how IT is delivered and managed in the modern organisation. Graduates will develop knowledge in IT services, networking, web development, database administration, Graduates will also recognise how the regulatory requirements for delivering IT services and have basic concepts of IT management and quality.
- 

### KEY DATES

**INDUCTION 2018** 1<sup>st</sup>/8<sup>th</sup> September

**CLASSES BEGIN 2018** Mid-September

**CLASSES FINISH** End April 2018

**EXAMS 2019** January and May

**RESULTS** June 2019

**Head Start Maths and Head Start Academic English:**

- 26<sup>th</sup> May – 30<sup>th</sup> June 2018 &
- 11<sup>th</sup> August – 8<sup>th</sup> September 2018

### For further information - course specific enquiries

Please Contact: [barry.feeny@it-tallaght.ie](mailto:barry.feeny@it-tallaght.ie)

### For queries on the application process

Please contact [LLL@it-tallaght.ie](mailto:LLL@it-tallaght.ie) or phone the Lifelong Learning Team @ 01-4042101



EUROPEAN UNION  
Investing in your future  
European Social Fund



HEA

HIGHER EDUCATION AUTHORITY  
AN tÚDARÁS um ARD-OIDEACHAS