DT079

BEng Tech in Electronic and Computer Systems (Part-time)

Programme Description

This programme is accredited by Engineers Ireland (EI) as satisfying the educational standards required for registration of Associate Engineers

It is designed to provide graduates of certificate-level courses (NQAI Level 6), or persons with equivalent qualifications, with an opportunity to pursue their studies to ordinary degree level (NQAI Level 7). This technician programme has a strong systems perspective, which is intended to develop the student's knowledge and technical abilities in the areas of computer & communications engineering, software and web development and industrial electronics systems. The programme is divided into core and elective modules. This programme is of two years duration requiring attendance two-three evenings per week.
A similar programme is also offered on a full-time basis (5 days a week) over a one-year period of study.

Entry Requirements

A technician certificate qualification (NQAI Level 6) in electronics, or related discipline from a recognised educational institution with at least a Merit grade, or a qualification, that is deemed by the Dublin Institute of Technology to be equivalent.
Candidates who do not meet the entry requirements directly, may be asked to complete a number of bridging modules offered by the School, which may allow them to gain entry into this programme.

How to Apply/Enrol

Please submit an application form along with a copy of your CV and transcripts to date to info@electronics.dit.ie. Part-time application forms can be downloaded from our website http://www.dit.ie/study/parttime/applicationform/. Your application will be assessed within the School and you will be informed directly if you are offered a place on this programme. Applications should be submitted before September 1st, 2011. It is anticipated that registration for this programme will take place during the first two weeks of September 2011 (Monday to Thursday). To complete registration, candidates are required to attend at DIT, Kevin Street during registration week in person and provide original examinations results.

Duration

Two years part-time (three evenings per week).

Award

BEng Tech in Electronic and Computer Systems of the Dublin Institute of Technology (Level 7).

For further details contact:

Ph: +353 1 402 4665/2893/4575   Email: info@electronics.dit.ie

School of Electronic and Communications Engineering

www.electronics.dit.ie

BEng Tech in Electronic and Computer Systems (Part-time)

Progression

Graduates of this programme who achieve a merit or distinction and meet certain subject prerequisites are normally eligible to apply for the third year of the Honours Degree in Computer and Communications Engineering (DT081 full-time or DT074 part-time) and other similar programmes.

Career Opportunities

You can expect to work in industry, setting up, commissioning or maintaining complex communications or other high-tech systems. In a relatively short time you can look forward to supervising other staff doing this work. You might also work as a member of a team designing and developing new systems.

Fees

Fees for the academic year 2010/2011: €340 per module - €900 for project. Capitation fee is €135.00 Fees are subject to change at the discretion of the Institute. Please note, 2011/12 fees to be announced late August.

Programme Outline

All modules contain a high practical content, which demonstrates the practical use of theory.

The programme is centred on four core areas namely:
- Microprocessors & Embedded Systems
- Software Development
- Mathematics
- Business Studies (Business environment, enterprise, professional business plan, etc.)

Elective modules:
- Instrumentation & Automatic Test Systems
- Music Technology
- Communication Networks (CISCO CCNA)
- Web Development (XHTML, CSS, JavaScript)
- Operating Systems
  Students are required to study two optional modules (one per semester).
  The above modules run subject to demand.

Project

A technical project must be undertaken as part of the programme. Where a student is in appropriate employment the project can be carried out as part of that employment.

More information about project work and modules, such as module description, content, assessment methods, etc. can be found at http://www.electronics.dit.ie/modules/DT079.

Structure

The programme is delivered as a series of modules, lasting one semester each. Each year of study covers two semesters; the first from September to January, and the second from February to May. Written examinations are held at the end of each semester, in January and in May. Repeat written examinations take place in August. The lectures are scheduled in evening time slots (from 6 pm to 10 pm).

Modules change each alternate year

Modules	Academic Year
Microcomputers and Embedded Systems Software Development (e.g. Java) Project (Second year)	**Academic Year 2011/2012** **And each alternate year**
Business Studies Mathematics Two optional modules run subject to demand	**Academic Year 2012/2013** **And each alternate year**

School of Electronic and Communications Engineering

www.electronics.dit.ie