DT081

Honours Degree in Computer Engineering

This programme is accredited by the Institution of Engineers of Ireland as satisfying the educational standards required for registration of Chartered Engineers.

Programme Description

Computer engineers are often found in the vital research, development and design departments of computer and software companies. They are ideally placed to lead the development of many of the innovations needed for the evolution of the Internet and mobile communications industries. Computer engineers are also key personnel in the efficient operation of health, entertainment, retail, financial, and aviation organisations. The programme combines elements of electronic, software, hardware and communication engineering to best fit the rapid convergence occurring in the ICT sector. It includes a significant amount of practical and laboratory work together with lectures and tutorials. A strong emphasis is placed on developing the practical design/development skills and in-depth knowledge required by hi-tech companies in the sector.

Subjects studied include programming and computer systems, analogue signal processing, digital electronic design, computer networks, software engineering and business finance. There is an industrial placement in third year and a major project in the final year.

Entry Requirements

Passes in six subjects in the Irish Leaving Certificate, including English or Irish, with two subjects at grade C3 or higher on higher level papers, one of which must be in Mathematics or such qualification as the Institute may deem equivalent.

Duration

Four years full-time

Award

Bachelor of Engineering (Computer Engineering) of the Dublin Institute of Technology

Career Opportunities

Graduates will be well placed to pursue a highly satisfying, well-paid career taking up employment in areas such as computer engineering, software engineering, network engineering, embedded computer systems and mobile communications engineering.

For further details contact:

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