DT021

Honours Degree in Electrical and Electronic Engineering

This programme has been accredited by the Institution of Engineers of Ireland as satisfying the academic requirements for Corporate Membership of the Institution.

Programme Description

This programme educates students to an honours level in electrical and electronic engineering, and meets the educational standard required for chartered engineering membership of the Institution of Engineers of Ireland. The first two and a half years of the programme are common core, with all students studying the same topics. Students study mathematics, engineering design and business and management courses. Laboratory practicals and projects enable the student to apply his/her theoretical skills in a hands-on and practical manner. Students select one of the following major options in third year:
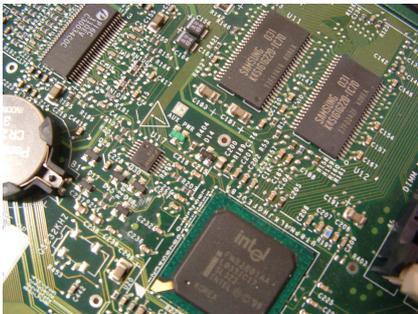
Power Systems Engineering – analysis and design of modern power systems and associated plant
Control Engineering – robotic and automated systems
Communication Engineering – advanced communications, including satellite and mobile systems of the future
Computer Engineering – the programming and development of state of the art computer systems

In the final year, students undertake a major engineering project.

Entry Requirements

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

Award

Bachelor of Engineering (BE) of Dublin Institute of Technology. The course has been accredited by the Institution of Engineers of Ireland as satisfying the academic requirements for Corporate Membership of the Institution.

Career Opportunities

Graduates generally start work as design or production engineers and move on to become engineering team leaders of large projects such as building a wind farm or designing a new high tech alarm system.

For Further Details Contact:

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