

# INTRA Programme

## B.Eng Electronic Engineering



The **Objective** of this four-year, full-time degree is to produce graduates who have:

- An understanding of basic sciences and mathematics appropriate to developing a career in Electronic Engineering
- Competence in electronic circuit and system design
- Appreciation of electronic product manufacturing techniques
- An understanding of the requirements of electronic product design
- Detailed knowledge of elected electronic sub-disciplines
- Capacity to model and analyse the dynamics of a wide range of technological systems
- An awareness of the special role and responsibilities of the Engineer in society.

### Programme Outline:

The B.Eng Electronic Engineering is designed to provide students with an education appropriate to the needs of a growing and changing electronics industry. The main themes of the programme are:

- Electronic Circuit & System Design
- Basic Science & Mathematics
- Digital Systems and Computing
- Design
- Systems Dynamics
- Electronic Instrumentation
- Business Studies
- Technology & Society

In their final year, students may choose from a suite of advanced specialist modules.

### Relevant Work Experience:

DCU's work experience programme INTRA (INTEgrated TRAIning) is a central feature of education at DCU and an integral part of most undergraduate and some postgraduate degree programmes. **Students from the B.Eng Electronic Engineering are required to complete a six month INTRA placement at the end of third year, from April to September inclusive.**

#### Work Areas

Students of the B.Sc Electronic Engineering have the ability to work in the positions listed below and related areas within the Electronics Industry worldwide:

- Research & Development Engineer
- Design Engineer
- Production Engineer
- Sales Engineer
- Management Engineer
- Software Engineer

#### Student Availability

Students are available for interview from early October. Please post vacancies on the INTRA on line web site at [www.intra.dcu.ie](http://www.intra.dcu.ie), or send details to:

INTRA Unit, Student Affairs,  
Dublin City University,  
Glasnevin, Dublin 9, Ireland.  
Phone: 00 353 1 700 5033 Fax: 00353 1 700 5505  
Web: [www.intra.dcu.ie](http://www.intra.dcu.ie)

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