

HIGHER CERTIFICATE IN ELECTRONIC ENGINEERING (FLASHE)

CODE: TA_EELEC_C

3 years part time

Who is this course for?

The flexible Higher Certificate in Electronic Engineering enables prospective students to progress to a Level 6 National Certificate in Electronic Engineering in a timeframe approximating to current full time delivery, but with significantly higher levels of participative flexibility, depending on their circumstances and capabilities. Classes occur in both evening and day time

Entry Requirements

If under 23 years applicants must have a grade D1 in a minimum of five subjects in the Leaving Certificate examinations or a FETAC Level 5 qualification or equivalent. Mature students (over 23 years) may be exempted from this requirement and are eligible to apply. All applicants must have competence in spoken and written English. Eligible candidates may be interviewed.

Course Timetable

Using repetition of class work, classes will be made available to students on Monday and Thursday evening or Tuesday and Friday afternoon. In addition and optional Wednesday evening will be available for those seeking to accelerate their progression. A small number of Saturdays may also be required during the Semester. The Programme is developed as a flexible

mode of third level engineering education. The student can establish a timetable of classes by attending during the day, evening, or a combination of both as complete freedom of movement is permitted between all session slots.

Who can apply?

This course is open to all eligible students

Course Summary

The programme involves a mix of Classroom and laboratory sessions supported by self-directed reading and research on specific topics. Modules include Analogue and Digital Design, Programming, Computer Networks and Radio Systems. A major project is also completed.

Career Opportunities

This accredited engineering qualification will lead to employment in the many companies operating in high technology industries. It is the first step in attaining a Degree in Electronic Engineering from ITT Dublin.

KEY DATES

INDUCTION	4 th /5 th September 2018
CLASSES BEGIN	Mid-September 2018
CLASSES FINISH	End April 2019
EXAMS	January and May 2019
RESULTS	June 2019



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HEA

HIGHER EDUCATION AUTHORITY
AN tÚDARÁS um ARD-OIDEACHAS

How to Apply

Students apply directly to IT Tallaght

Please apply through www.it-tallaght.ie

Total cost of course (180 credits) is

Year 1 €1,800

Year 2 €1,800

Year 3 €1,800

Please Note

You will be required to pay a €100 application fee with your application. If you are offered a place on the course your fee will be put towards your full course fees. The application fee will only be refunded if the course does not run.

**The balance of fees due are as follows:
On acceptance of place - €550**

**Payment of half your course fees due by
31 October 2018.**

**Payment of full fees due by 31 January
2019.**

For further information – course specific

Please Contact: johno.byrne@it-tallaght.ie

For queries on the application process

Please contact LLL@it-tallaght.ie or phone the Lifelong Learning Team @ 01-4042101

B. Eng (Hons) in Electronic Engineering (Semester 1–8)
With Embedded B.Eng. in Electronic Engineering (Semester 1–6)
With Embedded Higher Certificate in Electronic Engineering (Semester 1–4)

Streams	Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8
Mathematics Stream	Mathematics 1	Mathematics 2	Mathematics 3	Mathematics 4	Mathematics 5	Mathematics 6	Mathematics 7	Mathematics 8
Communications, Team Work & Project Work	Learning to Learn	Computer Aided Design	Project	Project	Integrated Lab work*	Integrated Lab work*	Project	Project
	Electronic Workshop							Management Practice
Analogue Design	Electric Circuits 1	Electric Circuits 2		Control Systems		Control System Design		Analogue IC Design (E)
		Analogue Electronics		Solid State Circuits		Analogue System Design Power Engineering		
Communications Eng			Computer Network Fundamentals	Routers & Switches	Network Design	Analysis of Analogue Communications	Analysis of Digital Communications	Wireless Comms (E)
			Radio Propagation Systems		Digital Communications		Comms Systems (E)	Network Eng (E)
Software Development	Interactive Computer Programming	Interactive Embedded Systems	Java Programming	Microprocessor Fundamentals	C Programming	Embedded Systems	Software Devl. 1 (E)	Operating Systems (E)
								Software Devl. 2 (E)
Engineering Science	Engineering Science				Semiconductor Fabrication		Semiconductor Device Physics (E)	Submicron MOSFET Fabrication (E)
Digital Design		Digital Systems 1	Digital Systems 2		Digital Design with Verilog		Digital FSM Design	Digital Processor Design (E)
								Digital Signal Processing