

MSc Electronic and Computer Technology

Course Short Code

MCTY

Course Year

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Course Offering: 01

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**\*\*\*\*IMPORTANT MESSAGE\*\*\*\***

**The purpose of this information sheet is to allow you view all modules connected to the Qualification, optional and core. You should print this sheet out and then continue to the next step where your registration will take place.**

**It is your responsibility to ensure that you register correctly**

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**\*\*\*\* PLEASE READ CAREFULLY \*\*\*\***

To complete this programme, **all students** must complete nine modules in total plus the two project elements (EE5002 + EE5003). Five of these nine modules must begin with a EE5xx module code.

Full-time students must take all these elements in a single calendar year (12 months) and part-time students should take the modules over two calendar years (24 months).

Semester 1 begins in September and Semester 2 begins in January, regardless of when you begin your studies. The project elements (EE5002 + EE5003) take place over the summer months (June-August).

You must register for ALL modules that you intend to complete in the current academic year (each academic year has its own registration process).

The following is an outline of a suggested registration:

- **Full-time (September entry):** Register for 9 modules plus EE5002+EE5003.

- **Full-time (January entry):** Register for 4/5 Semester 2 modules plus EE5002+EE5003. You will register for the balance in the following August.
- **Part-time (September entry):** Register for 2/3 modules in each of Semester 1 and Semester 2 plus EE5002(Year 1) or EE5003(Year 2). You will register in the following August for the remaining modules (i.e., your Year 2).
- **Part-time (January entry):** Register for 2/3 modules in Semester 2 plus EE5002(Year 1) or EE5003(Year 2). You will then register again in the following August for the next set of modules.

Prior to proceeding with registration for the MSc in Electronic and Computer Technology programme, please visit the School of Electronic Engineering postgraduate module selection. list: <https://ece.eeng.dcu.ie/msc-in-electronic-and-computer-technology-internet-of-things/>

Make a careful note of your selected modules then proceed to the next step where REGISTRATION will take place.

It is your responsibility to ensure that you register correctly. Please contact the chairperson [Derek.Molloy@dcu.ie](mailto:Derek.Molloy@dcu.ie) if you have questions.

## Year Long Modules

EE5002	RD&I Training & Project Planning	7.5 Credits
EE5003	MSc IoT Project	15 Credits

# Students must complete at least 5 of the following modules

## Semester 1 Modules

EE514	Data Analysis & Machine Learning	7.5 Credits
EE515	Real-Time Digital Signal Processing	7.5 Credits

## Semester 2 Modules

EE513	Connected Embedded Systems	7.5 Credits
EE562	Network Stack Implementation	7.5 Credits
EE5001	Security for IoT and Edge Networks	7.5 Credits
EE507	Entrepreneurship for Engineers	7.5 Credits

**Complementary / Supporting modules (students must choose up to 4 modules)**

## Semester 1 supporting Modules

EE402	OOP with Embedded Systems	7.5 Credits
EE488	Mathematical Techniques and Problem Solving	7.5 Credits
EE452	Wireless / Mobile Communications	7.5 Credits
EE516I	Blockchain Scalability	7.5 Credits

## Semester 2 supporting Modules

EE417	Web Application Development	7.5 Credits
EE445	Bioelectronics	7.5 Credits

Please contact [ee.queries@dcu.ie](mailto:ee.queries@dcu.ie) if you need more help selecting your modules' on all registration schedules.

Last Updated 20th December 2022