

M.Eng. in Telecommunications Engineering

Course Short Code

MTC

Course Year

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Course Offering: 01

[Print PDF](#)

Masters in Telecommunications Engineering, Continuous, Full-Time

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

The purpose of this information sheet is to help you to choose the modules available on this qualification in the current academic year BEFORE proceeding to the next step of actual registration.

Having decided your modules, you should (a) print this sheet (b) tick off your chosen modules for reference (c) then proceed to the next step where actual REGISTRATION will take place.

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

It is your responsibility to ensure that you register correctly

Prior to registering for the full time: (1) Masters in Telecommunications Engineering or (2) Masters in Telecommunications Engineering (Networking Major), please visit the School of Electronic Engineering website module selection tool at:

<http://dcu.ie/electronics/post/modules/index>

1. Masters in Telecommunications Engineering

REQUIREMENTS:

1. Complete at least six modules from 'Set 1', where at least four are level 9 modules
2. Complete eight taught modules in total
3. Complete masters project module EE593

SEMESTER 1

Module Code	Module Title
EE402	OPP with Embedded Systems.
EE450	Communications Theory
EE452	Wireless and Mobile Communications
EE453	Image Processing & Analysis (Plus)
EE463	Solid-State Electronics and Semiconductor Devices
EE500	Performance of Data Networks
EE509	Data Network Protocol Analysis & Simulation
EE515	Real-Time Digital Signal Processing
EE535	Renewable Energy: Technology & Economics
EE540	HDL and High-Level Logic Synthesis
EE559	Fundamentals of Nanoelectronics Technology

SEMESTER 2

Module Code	Module Title
EE417	Web Application Development
EE454	Optical Communications System Design
EE459	Mechatronic System Simulation & Control
EE495	Transmission Lines, RF Propagation & Radio Link Design
EE497	3D Interface Technologies
EE502	DSP- Signal Modelling & Compression
EE506	Fundamentals of Photonic Devices
EE507	Entrepreneurship for Engineers
EE508	Fundamentals of Device Manufacturing
EE513	Connected Embedded Systems
EE514	Data Analysis & Machine Learning
EE538	Secure Sys. Admin. & Internetwork Security
EE544	Computer Vision
EE552	Broadband Networks
EE562	Network Stack Implementation

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Module Code	Module Title
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EE593	Telecommunications Engineering Project (MTC)
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2. Masters in Telecommunications Engineering (Networking Major)

REQUIREMENTS:

1. Complete the four of the modules from 'Set 1'
2. Complete at least a total of six of the set 1 plus Set 2 modules listed
3. Complete eight taught modules in total
4. Complete masters project module EE596

SEMESTER 1

Module Code	Module Title
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EE402	OPP with Embedded Systems.
EE450	Communications Theory
EE452	Wireless and Mobile Communications
EE453	Image Processing & Analysis (Plus)
EE463	Solid-State Electronics and Semiconductor Devices
EE500	Performance of Data Networks
EE509	Data Network Protocol Analysis & Simulation
EE515	Real-Time Digital Signal Processing
EE535	Renewable Energy: Technology & Economics
EE540	HDL and High-Level Logic Synthesis
EE559	Fundamentals of Nanoelectronics Technology

SEMESTER 2

Module Code	Module Title
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EE417	Web Application Development
EE454	Optical Communications System Design
EE459	Mechatronic System Simulation & Control
EE495	Transmission Lines, RF Propagation & Radio Link Design
EE497	3D Interface Technologies
EE502	DSP- Signal Modelling & Compression
EE506	Fundamentals of Photonic Devices
EE507	Entrepreneurship for Engineers
EE508	Fundamentals of Device Manufacturing
EE513	Connected Embedded Systems
EE514	Data Analysis & Machine Learning
EE538	Secure Sys. Admin. & Internetwork Security
EE544	Computer Vision
EE552	Broadband Networks
EE562	Network Stack Implementation

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Module Code	Module Title
EE596	Telecommunications Project (Networking Major)

Last Updated: 3rd August 2018

