Masters in Electronic System
Course Short Code
MEN
Course Year
c
Course Offering: 02
Print PDF

Masters in Electronic Systems, Continuous, Part-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

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Prior to registering for the part time: (1) Masters in Electronic Systems, (2) Masters in Electronic Systems (Nanotechnology Major), (3) Masters in Electronic Systems (Image Processing and Analysis Major) or (4) Masters in Electronic Systems (Internet of Things Major), please visit the School of Electronic Engineering website module selection tool at:

http://dcu.ie/electronics/post/modules/index.shtml

Part time students typically take two subjects in each Semester 1 and 2 plus the project in order to complete the programme within calendar years (Sept. to Sept.). The project cannot be taken in Year 1.

1. Masters in Electronic Systems

REQUIREMENTS:

1. Complete eight taught, of which four or more must be level 9 modules
2. Complete masters project module EE592

SEMESTER 1

Module Code	Module Title

EE402	OPP with Embedded Systems.
EE450	Communications Theory
EE452	Wireless and Mobile Communications
EE453	Image Processing & Analysis with Project
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: Systems, Technology & Economics
EE540	HDL and High-Level Logic Synthesis
EE559	Fundamentals of Nanoelectronics Technology
EE562	Network Programming

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

AUTUMN

Module Code	Module Title
EE592	Electronic Systems Project (MEN)

2. Masters in Electronic Systems (Nanotechnology Major)

REQUIREMENTS:

1. Complete the four 'Set 1' modules
2. Complete eight taught modules in total
3. Complete masters project module EE581

SEMESTER 1

Module Code	Module Title
EE402	OPP with Embedded Systems.
EE450	Communications Theory
EE452	Wireless and Mobile Communications
EE453	Image Processing & Analysis with Project
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: Systems, Technology & Economics
EE540	HDL and High-Level Logic Synthesis
EE559	Fundamentals of Nanoelectronics Technology
EE562	Network Programming

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

AUTUMN

Module Code	Module Title

EE581	Electronic Systems Project (Nano Technology Major)	

3. Masters in Electronic Systems (Image Processing and Analysis Major)

REQUIREMENTS:

1. Complete the four 'Set 1' modules
2. Complete eight taught modules in total
3. Complete masters project module EE595

SEMESTER 1

Module Code	Module Title	

EE402	OPP with Embedded Systems.
EE450	Communications Theory
EE452	Wireless and Mobile Communications
EE453	Image Processing & Analysis with Project
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: Systems, Technology & Economics
EE540	HDL and High-Level Logic Synthesis
EE559	Fundamentals of Nanoelectronics Technology
EE562	Network Programming

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

AUTUMN

Module Code	Module Title
EE595	Electronic Systems Project (IPA Major)

4. Masters in Electronic Systems (Internet of Things Major)

REQUIREMENTS:

1. Complete the four 'Set 1' modules
2. Complete eight taught modules in total
3. Complete masters project module EE580

SEMESTER 1

Module Code	Module Title
EE402	OPP with Embedded Systems.
EE450	Communications Theory
EE452	Wireless and Mobile Communications
EE453	Image Processing & Analysis with Project
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: Systems, Technology & Economics
EE540	HDL and High-Level Logic Synthesis
EE559	Fundamentals of Nanoelectronics Technology
EE562	Network Programming

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

AUTUMN

Module Code	Module Title

EE580	Electronic Systems Project (IoT Major)	

Last Updated: 13th July 2016