MEng in Electronic & Computer Engineering
Course Short Code
MECE
Course Year
1
Course Offering: 03
Print PDF

Masters in Electronic & Computer Engineering

Full-time / Flexible

Please only register for Modules you have not already completed, and intend to complete this year.

ATTENTION STUDENTS WHO ARE BEGINNING THEIR PROGRAMME IN JANUARY: Register for Semester 2 modules ONLY. Do not register for the Masters Project module.

ATTENTION STUDENTS WHO ARE REGISTERING IN SEPTEMBER: You must register for ALL modules that you intend to complete in the current academic year (each academic year has its own registration process cycle).

ATTENTION FLEXIBLE/PART-TIME STUDENTS: DO NOT register for a Masters Project module in your first year of study.

Prior to proceeding with registration for the Masters in Electronic & Computer Engineering, please visit the School of Electronic Engineering postgraduate module selection.

Students must register in all the core modules (EEN1101 and EEN1095, 30 credits), a minimum of 4 optional modules corresponding to the major they have registered in (30 credits) and 4 more optional modules of their choice (30 credits).

Please **click here** to view your module options.

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

Nanotechnology and Photonics (NTP) Major

Core Modules

Module Code	Module Title	Level	Module Credits	Semester
EEN1101	Research Training & Project Planning	9	7.5	Year long
EEN1095	Electronic Engineering Project	9	22.5	Year long

Optional Modules

Module Code	Module Title	Level	Module Credits	Semester
EEN1003	Nanoelectronics Technology	9	7.5	Semester 1
EEN1067	Photonic Devices	9	7.5	Semester 1
EEN1090	Semiconductor Device Manufacturing	9	7.5	Semester 2
EEN1076	Photonic Applications and Technologies	9	7.5	Semester 2

Internet of Things (IoT) Major

Core Modules

Module Code	Module Title	Level	Module Credits	Semester
EEN1101	Research Training & Project Planning	9	7.5	Year long
EEN1095	Electronic Engineering Project	9	22.5	Year long

Optional Modules

Module Code	Module Title	Level	Module Credits	Semester
EEN1073	Real-Time Digital Signal Processing (DSP)	9	7.5	Semester 1
EEN1071	Connected Embedded Systems	9	7.5	Semester 2
EEN1072	Data Analysis and Machine Learning II	9	7.5	Semester 2
EEN1004	Network Stack Implementation	9	7.5	Semester 2

Imaging Processing & Analysis (IPA) Major

Core Modules

Module Code	Module Title	Level	Module Credits	Semester
EEN1101	Research Training & Project Planning	9	7.5	Year long
EEN1095	Electronic Engineering Project	9	22.5	Year long

Optional Modules

Module Code	Module Title	Level	Module Credits	Semester
EEN1067	Real-Time Digital Signal Processing (DSP)	9	7.5	Semester 1
EEN1072	Data Analysis and Machine Learning II	9	7.5	Semester 2
EEN1001	Computer Vision	9	7.5	Semester 2
EEN1068	Entrepreneurship for Engineers	9	7.5	Semester 2

Data and Telecommunications Networks (DTN) Major

Core Modules

Module Code	Module Title	Level	Module Credits	Semester
EEN1101	Research Training & Project Planning	9	7.5	Year long
EEN1095	Electronic Engineering Project	9	22.5	Year long

Optional Modules

Complete a total of eight 7.5-credit modules, of which at least four must be chosen from the following list:

Module Code	Module Title	Level	Module Credits	Semester
EEN1058	Network Performance	9	7.5	Semester 1
EEN1067	Photonic Devices	9	7.5	Semester 1
EEN1072	Data Analysis and Machine Learning II	9	7.5	Semester 2
EEN1076	Photonic Applications and Technologies	9	7.5	Semester 2
EEN1078	Future Network Architectures	9	7.5	Semester 2
EEN1004	Network Stack Implementation	9	7.5	Semester 2

General Masters Modules / Majors Optional Module Choices

Optional Modules

Module Code	Module Title	Level	Module Credits	Semester

EEN1097	Edge Programming with C/C++ & Rust	8	7.5	Semester 1
EEN1043	Wireless/Mobile Communications	8	7.5	Semester 1
EEN1044	Image Processing & Analysis (Plus)	8	7.5	Semester 1
EEN1049	Solid State Electr. & Semiconductor Devices	8	7.5	Semester 1
EEN1083	Data Analysis and Machine Learning I	8	7.5	Semester 1
EEN1054	Mathematical Techniques and Problem Solving	8	7.5	Semester 1
EEN1058	Network Performance	9	7.5	Semester 1
EEN1067	Photonic Devices	9	7.5	Semester 1
EEN1079	Energy System Decarbonisation	9	7.5	Semester 1
EEN1003	Nanoelectronics Technology	9	7.5	Semester 1
EEN1073	Real-Time Digital Signal Processing (DSP)	9	7.5	Semester 1
EEN1074	Blockchain Scalability	9	7.5	Semester 1
EEN1037	Web Application Development	8	7.5	Semester 2
EEN1040	Bioelectronics	8	7.5	Semester 2
EEN1045	Optical Communications System Design	8	7.5	Semester 2
EEN1048	Mechatronic System Simulation & Control	8	7.5	Semester 2
EEN1053	Introduction to Engineering Management	8	7.5	Semester 2
EEN1057	3D Interface Technologies	8	7.5	Semester 2

EEN1068	Entrepreneurship for Engineers	9	7.5	Semester 2
EEN1090	Semiconductor Device Manufacturing	9	7.5	Semester 2
EEN1071	Connected Embedded Systems	9	7.5	Semester 2
EEN1072	Data Analysis and Machine Learning II	9	7.5	Semester 2
EEN1001	Computer Vision	9	7.5	Semester 2
EEN1004	Network Stack Implementation	9	7.5	Semester 2
EEN1059	Security for IoT and Edge Networks	9	7.5	Semester 2
EEN1076	Photonic Applications and Technologies	9	7.5	Semester 2
EEN1078	Future Network Architectures	9	7.5	Semester 2