

# POSTGRADUATE DIPLOMA IN ELECTRICAL AND ELECTRONIC ENGINEERING

## Examinations

Full details and regulations governing Examinations for each programme will be contained in the *Marks and Standards Book* and for each module in the *Book of Modules*.

## Programme Requirements

Code	Title	Credits
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Students take **60** credits - Research Report (10 credits) and elective modules to the value of **50** credits:

### Core Modules

EE6019	Research Report	10
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<i>Elective Modules</i>		<i>50</i>
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Students take **50** credits from the following:

### Group One

Students take at least **35** credits from the following:

EE6024	Engineering Machine Learning Solutions
EE6034	Optical Communications and Optoelectronics
EE6035	Electrical Power Systems
EE6036	Design of RF Integrated Circuits
EE6041	Advanced Digital Signal Processing
EE6042	Frequency Synthesizers for Wireless and Cellular Systems
EE6043	Design of Digital Integrated Circuits
EE6044	Advanced Analogue IC Design
EE6045	Data Converter Techniques: Circuits and Architectures
EE6046	Introduction to Micro Electromechanical Systems (MEMS)
EE6048	Smart Grids
EE6049	Design of Analogue Integrated Circuits
EE6061	Industrial Automation and Control

### Group Two

Students take the remaining credits from Group Two:

CS6322	Optimisation
CS6325	Network Security
CS6327	Internet of Things: Technology and Application
CS6506	Programming in Python
CS6507	Programming in Python with Applications
EE4001	Energy Systems, Power Electronics and Drives
EE4002	Control Engineering II
EE4004	Telecommunications II
EE4012	Biomedical Systems
EE4019	Photonic Signals and Systems Application
ME6008	Robotics
ME6012	Advanced Robotics
NE4008	Photovoltaic Systems
ST6030	Foundations of Statistical Data Analytics

**Total Credits**

**60**