

T274 ME Electrical Energy Engineering**Structure for 2017-18**

Modules shown in semesters 3 & 4 represent the current plan, and may change in 2018-19, depending on availability of modules.

Programme plan shown separately for long and short work placement options.

Long Work Placement

Semester 1		Semester 2	
Code	Module	Code	Module
EEEN40010	Control Theory	EEEN40190	Professional Work Experience (30 credits)
EEEN40080	Power System Operation		
EEEN40110	Renewable Energy Systems		
EEEN40550	Power System Dynamics and Control		
	2 options from		
ACM40290	Numerical Algorithms		
EEEN40300	Entrepreneurship in Engineering		
EEEN40310	Power Electronics Technology		
EEEN40580	Optimisation Techniques for Engineers		
GEOL40310	Fossil Fuels, Carbon Capture and Storage		
MEEN30100	Engineering Thermodynamics II		
MEEN40090	Energy Systems & Climate Change		
	Semester 3		Semester 4
Code	Module	Code	Module
EEEN40260	Project	EEEN40260	Project
EEEN40100	Power Electronics and Drives	EEEN40120	Applications of Power Electronics
EEEN40090	Power System Design	MEEN40430	Professional Engineering (Mgt)
	2 or 1 options from		1 or 2 options from
ACM40290	Numerical Algorithms	ECON42360	Energy Economics and Policy
COMP30040	Networks and Internet Systems	EEEN40560	High Voltage and Protection Systems
EEEN40300	Entrepreneurship in Engineering	EEEN40590	Distributed Control and Optimisation over Networks
EEEN40310	Power Electronics Technology		
EEEN40580	Optimisation Techniques for Engineers		
GEOL40310	Fossil Fuels, Carbon Capture and Storage		
MEEN30100	Engineering Thermodynamics II		
MEEN40090	Energy Systems & Climate Change		

Short Work Placement

Semester 1		Semester 2	
Code	Module	Code	Module
EEEN30090	Electrical Machines	EEEN40180	Professional Work Experience (10 credits)
EEEN40010	Control Theory	EEEN30070	Power System Engineering
EEEN40080	Power System Operation	MEEN40430	Professional Engineering (Mgt)
EEEN40110	Renewable Energy Systems		
EEEN40550	Power System Dynamics and Control		
	1 option from		2 options from
ACM40290	Numerical Algorithms	ECON42360	Energy Economics and Policy
COMP30040	Networks and Internet Systems	EEEN20060	Communications Systems
EEEN40300	Entrepreneurship in Engineering	EEEN30050	Signal Processing
EEEN40310	Power Electronics Technology	EEEN40590	Distributed Control and Optimisation over Networks
EEEN40580	Optimisation Techniques for Engineers	MEEN30010	Applied Dynamics II
GEOL40310	Fossil Fuels, Carbon Capture and Storage		
MEEN30100	Engineering Thermodynamics II		
MEEN40090	Energy Systems & Climate Change		
	Semester 3		Semester 4
Code	Module	Code	Module
EEEN40260	Project	EEEN40260	Project
EEEN40100	Power Electronics and Drives	EEEN40120	Applications of Power Electronics
EEEN40090	Power System Design		
	2 OR 3 options from		2 OR 1 options from
ACM40290	Numerical Algorithms	ECON42360	Energy Economics and Policy
COMP30040	Networks and Internet Systems	EEEN40560	High Voltage and Protection Systems
EEEN40300	Entrepreneurship in Engineering	EEEN40590	Distributed Control and Optimisation over Networks
EEEN40310	Power Electronics Technology		
EEEN40580	Optimisation Techniques for Engineers		
GEOL40310	Fossil Fuels, Carbon Capture and Storage		
MEEN30100	Engineering Thermodynamics II		
MEEN40090	Energy Systems & Climate Change		

Registration Guidance for 2-Year ME Programme

You need to satisfactorily complete 120 module credits in order to achieve an ME degree

In each year of the programme you need to obtain 60 credits, normally consisting of 30 credits in each semester

All 'Core' modules MUST be selected, with the remaining module credits achieved by selecting an appropriate number of 'Option' modules from the defined list

You will need to register yourself for the Core modules - this does not happen automatically. You also need to register for your chosen Option modules

Selection of the long or short Professional Work Experience options, and other module options, will require the approval of the Programme Co-ordinator

The programme co-ordinator (Dr Damian Flynn) can be contacted by email at damian.flynn@ucd.ie (Office located at Room 155, Engineering and Materials Science Centre)