

MENGSC (SUSTAINABLE ENERGY)

Programme Requirements

Code	Title	Credits
Part I		
Students take 60 credits as follows:		
<i>Core Modules</i>		
NE6003	Wind Energy	5
NE4008	Photovoltaic Systems	5
NE6005	Ocean Energy	5
NE6012	Energy in Buildings	5
NE6013	Sustainable Energy	5
NE6014	Energy Innovation	5
CE6042	Transportation and Energy	5
NE6004	Sustainability, Bioenergy and Circular Economy Systems	5
NE6010	Offshore Wind Energy	5
NE6212	Clean Energy Futures	5
NE6008	Preliminary Research Project in Sustainable Energy	10
Depending on the background of the student, the Programme Coordinator may decide to replace some of the above taught modules with modules from the following list up to a maximum of 20 credits:		
NE6016	Energy Systems in Buildings (5)	
CE4020	Environmental Hydrodynamics (5)	
CE6024	Finite Element Analysis (5)	
EE3011	Power Electronics & AC Machines and Systems (5)	
EE3012	Electric Vehicle Energy Systems (5)	
EE4001	Energy Systems, Power Electronics and Drives (5)	
EE4002	Control Engineering II (5)	
EE6035	Electrical Power Systems (5)	
EE6048	Smart Grids (5)	
ME6007	Mechanical Systems (5)	
NE6007	Energy Systems Modelling (5)	
NE6015	Data Analytics for Engineering (5)	
Part II		
Students take 30 credits as follows:		
<i>Core Modules</i>		
NE6009	Dissertation in Sustainable Energy	30
Total Credits		90

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*.