

Table : Masters syllabus 1MEES1

All Students are required to have a total of 60 ECTS between S1 & S2

Code	Name	S1 ECTS	S2 ECTS	Status
Group A: All students <u>must</u> take this 20 ECTS module				
EG6101	Energy Systems Engineering Project/ Thesis	10	10	Mandatory
Group B: Advanced Subject Specific Modules (ASSMs) (20-25 ECTS)				
<u>Group B1</u> : All students must take these 10 ECTS of modules				
EG5101	Advanced Energy Systems Engineering	5		Mandatory
CT549	Smart Grid		5	Mandatory
<u>Group B2</u> : All students must choose at least 5 ECTS of modules from this list				
EOS6101	Global Change	5		Optional
LW361	Planning and Law I	5		Optional
CT5200	Fundamentals of Python Programming	5		Optional
<u>Group B3</u> : All external entrants must take this 5 ECTS module				
CE5100	Sustainable Energy	5		Mandatory (external entrants)
<u>Group B4</u> : Students may choose 0-15 ECTS of modules from this list, subject to ASSM limit				
CT561	Systems Modelling and Simulation		5	Optional
EE6102	Power Systems	5		Optional
CE6103	Design of Sustainable Environmental Systems II		5	Optional
EE5127	Internet of Things		5	Optional
EG5108	Green Hydrogen Technology, Design and Analysis		5	Optional (online)
Group C: Engineering Transferrable Skills Modules (ETSMS) (5-20 ECTS)				
<u>Group C1</u> : All students must take these 5 ECTS of modules				
ME521	Research Methods for Engineers	5		Mandatory
<u>Group C2</u> : Students may choose 0-15 ECTS of modules from this list, subject to ETSM limit				
EG5106	Enlight Climate and Circular Economy Module		5	Optional (internal entrants)
ME432	Technology, Innovation & Entrepreneurship	5		Optional
AY872	Financial Management I	5		Optional