Master of Technology in Electric Mobility

School of Electrical Engineering

Programme Credit Structure	**Credits**
University Core Courses	39
Professional Core Courses	24
Professional Elective Courses	14
Open Elective Courses	03
Total Graded Credit Requirement	80

University Core Courses **39**

		L	T	P	C
MAENG501	Technical Report Writing	1	0	4	3
MASTS503	Qualitative and Quantitative Skills Practice I	3	0	0	3
MASTS504	Qualitative and Quantitative Skills Practice II	3	0	0	3
MASET697	Project Work	0	0	20	10
MAELM698	Internship I/ Dissertation I	0	0	20	10
MAELM699	Internship II/ Dissertation II	0	0	20	10

Professional Core Courses **24**

MAELM501	Electric Vehicle Technology	3	1	0	4
MAELM502	Automotive Embedded Systems	3	0	2	4
MAELM503	Design of Automotive Power Converters	3	0	2	4
MAELM504	Electric Motor Drives	3	0	2	4
MAELM505	Automotive Electrical and Electronics Systems	3	1	0	4
MAELM506	Charging Infrastructure for EVs	3	1	0	4

Professional Elective Courses **14**

MAELM601	Artificial Intelligence for Electric Mobility	3	0	2	4
MAELM602	Automotive Noise, Vibrations and Condition Monitoring	3	0	2	4
MAELM603	Electric Energy Storage Systems	3	0	0	3
MAELM604	Connected and Autonomous Vehicles	3	1	0	4
MAELM605	Lightweight and Sustainable Materials: E-Mobility Perspective	3	0	0	3
MAELM606	Aerial Electric Vehicular Technology	3	0	0	3
MAELM607	Automotive Functional Safety	3	0	0	3

Open Elective Courses **03**

Engineering | Sciences | Humanities | Social Sciences | Liberal Arts | Economics | Finance | Management