Master of Technology in Mechatronics
School of Mechanical 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
MAMHA698	Internship I/ Dissertation I	0	0	20	10
MAMHA699	Internship II/ Dissertation II	0	0	20	10

Professional Core Courses   **24**

		L	T	P	C
MAMHA501	Advanced Sensing and Actuation Technologies	3	0	2	4
MAMHA502	Systems Modelling and Control	3	0	2	4
MAMHA503	Robotics and Motion Control	3	0	2	4
MAMHA504	Embedded Systems and Interfacing	3	0	2	4
MAMHA505	Industrial Automation	3	0	2	4
MAMHA506	Artificial Intelligence for Mechatronics	3	1	0	4

Professional Elective Courses   **14**

		L	T	P	C
MASMB502	Electric and Hybrid Vehicle Systems	3	0	2	4
MAMHA601	Machine Vision for Mechatronics	3	0	2	4
MAMHA602	Autotronics and Smart Mobility	3	1	0	4
MAMHA603	Smart Manufacturing	4	0	0	4
MAMHA604	Fluid Power System Design	3	0	2	4
MAMHA605	Autonomous Mobile Robots	3	1	0	4
MAMHA606	Fault Diagnosis and Signal Processing	3	1	0	4
MAMHA607	Wireless Sensor Networks	3	0	0	3
MAMHA608	Smart Materials for Mechatronics	3	0	0	3
MAMHA609	Industrial Internet of Things	3	0	0	3
MAMHA610	Virtual and Augmented Reality Technologies	3	0	0	3
MAMHA611	Robust Mechatronics Systems	3	0	0	3
MAMHA612	Assistive Robotics	3	0	0	3

Open Elective Courses   **03**

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