

Faculty/School	Faculty of Chemical & Energy Engineering
Program Name	Master of Science (Polymer Technology)
Program Code	METR
Mode of Program	Taught Course
Academic Session/ Semester	2025/2026-1

COURSE MENU

University General Courses (Choose 1 ONLY)		
Course Code	Course Name	Credit
UHMS6013	Seminar on Global Development, Economic and Social Issues	3
UHS6013	Philosophy of Science and Civilization	3
UHPS6013	Dynamics of Leadership	3
UHMZ6023	Malaysia Society and Culture	3
UECS6023	Introduction to Technopreneurship	3
UHL6013	Bahasa Malaysia Penulisan Ilmiah	3
UBSS6023	Business Ethics, Responsibility and Sustainability	3
UBSS6013	Organizational Behavior and Development	3
UECS6013	IT Project Management	3
UMJJ6013	Basic Japanese Language & Culture	3
URTS6013	Environmental Ethics	3

Core Faculty Courses (Compulsory)		
Course Code	Course Name	Credit
METU1013	Research Methodology	3

Core Courses (Compulsory)		
Course Code	Course Name	Credit
METR1113	Polymer Characterization	3
METR1123	Polymer Synthesis	3
METR1133	Polymer Physic and Properties	3
METR1143	Polymer Additives, Blends and Composites	3
METR1153	Polymer Rheology and Processing	3

Elective Courses (Choose 3 only)		
Course Code	Course Name	Credit
METR1213	Rubber and Latex Technology	3
METR1223	Smart Materials	3
METR1233	Surface and Foam Technology	3
METW1223	Accident Prevention through Design	3
METW1233	Crisis and Emergency Management	3
METW1253	Asset Integrity	3
METB1103	Biotechnology for Engineer	3

Project (Compulsory)		
Course Code	Course Name	Credit
METR1314	Master Project 1	4
METR1326	Master Project 2	6

Programme Coordinator : **Dr. Norfairna Baharulrazi**
(norfairna@utm.my/013-7548950)

PROGRAMME STRUCTURE

COURSES OFFERED FOR NEW INTAKE STUDENTS SESSION 2025/2026 SEMESTER 1

SYLLABUS	COURSE CODE	SEMESTER	SECTION	DAY & TIME	LECTURER'S NAME & CONTACT NO : (Email & HP no.)
University General Courses	<i>Student MUST refer to SPS Website https://sps.utm.my/academic-related-resources/ for the University General Courses schedule</i>				
Core Faculty Course	METU1013	1	01	Friday 8.00 am – 11.00 am	Assoc. Prof. Dr. Zainul Akmar Zakaria zainulakmar@utm.my 012-6270423
Core Courses	METR1143	1	01	Wednesday 2.00 pm – 5.00 pm	Prof. Dr. Mat Uzir Wahit r-uzir@utm.my 012-7012001
	METR1113	1	01	Monday 8.00 am – 11.00 am	Assoc. Prof. Dr. Zurina Mohamad r-zurina@utm.my 019-4791015
	METR1123	1	01	Thursday 8.00 am – 11.00 pm	Dr. Siti Hajjar Che Man sitihajjar@utm.my 013-9323631
Elective Courses	METR1223	1	01	Wednesday 8.00 am – 11.00 am	Assoc. Prof. Ir. Dr. Nadia Adrus nadia@utm.my 019-3004887
Project	-				