

Faculty/School	Faculty of Engineering/ School of Chemical and Energy Engineering
Program Name	Master of Engineering (Chemical)
Program Code	MKKK
Mode of Program	Mixed Mode
Academic Session/Semester	2022/2023-1

COURSE MENU

University General Courses (Choose 1 ONLY)		
Course Code	Course Name	Credit
UHMS 6013	Seminar on Global Development, Economic & Social Issues	3
UHMZ 6023	Malaysian Society & Culture	3
UBSS 6013	Organization Behaviour and Development	3
UBSS 6023	Business Ethics, Responsibility and Sustainability	3
UHS 6013	Philosophy of Science and Civilization	3
UHPS 6013	Dynamics of Leadership	3
URTS 6013	Environmental Ethics	3
UANP6013	Informatics in Society	3
URSP6023	ICT Ethics and Society	3
UECS 6013	IT Project Management	3
UECS 6023	Introduction To Technopreneurship	3

Pre-Requisite Courses (Compulsory for non-chemical Engineering Background)		
Course Code	Course Name	Credit
MKKK 0413	Chemical Engineering Thermodynamics	3
MKKK 0423	Chemical Reactions Engineering	3
MKKK 0513	Transport Processes and Unit Operations	3
MKKK 0613	Principle of Chemical Processes	3
MKKK 0623	Basic Numerical Method	3

Core Faculty Courses (Compulsory)		
Course Code	Course Name	Credit
UKKP 0013	Research Methodology	3

Core Courses (Compulsory)		
Course Code	Course Name	Credit
MKKK 1413	Advanced Thermodynamic	3
MKKK 1513	Advanced Transport Phenomena	3
MKKK 1643	Numerical Computation in Chemical Engineering	3
MKKK 1423	Advanced Chemical Reaction Engineering	3

Elective Courses (Choose 1 only)		
Course Code	Course Name	Credit
MKKK 1653	Safety and Health in Chemical Industries	3
MKKK 1613	Energy Analysis and Management	3
MKKK 1683	Process Integration	3
MKKK 1153	Polymer Processing	3
MKKK 1103	Biotechnology for Engineers	3

Dissertation (Compulsory for final semester)		
Course Code	Course Name	Credit
MKKK **80	Dissertation	-

Programme Coordinator : Dr. Siti Hajjar Che Man
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PROGRAM STRUCTURE

COURSES OFFERED FOR NEW INTAKE STUDENTS SESSION 2022/2023 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	UKKP 0013	1	03	Monday 2.00 pm - 5.00 pm	Assoc. Prof. Dr. Zainul Akmar Zakaria zainulakmar@utm.my 012-6270423
Core Courses	MKKK 1423	1	01	Sunday 8.00 am – 11.00 am	Prof. Ir. Dr. Nor Aishah Saidina Amin r-naishah@utm.my 012-7165490
	MKKK 1413	1	01	Sunday 2.00 pm - 5.00 pm	Dr. Mohd. Asmadi Mohammed Yussuf mohdasmadi@utm.my 010-8774690
	MKKK 1643	1	01	Wednesday 8.00 am – 11.00 am	Dr. Saharudin Haron saharudinh@utm.my 019-7790074
Elective Course	MKKB 1103	1	01	Sunday 9.00 am - 12.00 pm	Dr. Lee Ting Hun leetinghun@utm.my 019-7539346
Dissertation	-				