

Faculty/School	Faculty of Engineering / School of Chemical and Energy Engineering
Program Name	Master of Engineering Specialization: Chemical
Program Code	MKKK
Mode of Program	Mixed Mode
Academic Session/ Semester	2021/2022-1

COURSE MENU

University General Courses (Choose 1 ONLY)		
Course Code	Course Name	Credit
UHAP 6013	Seminar on Global Development, Economic & Social Issues	3
UHAZ 6123	Malaysian Society & Culture (for International Students Only)	3
UBSE 1123	Organization Behaviour and Development	3
MBSA 1533	Business Ethics, Responsibility and Sustainability	3
UICW 6023	Philosophy of Science and Civilization (NORMAL MODE)	3
UBSE 1123	Organization Behaviour and Development	3
ULAM 6013	Dynamics of Leadership	3
ULAM 6013	Malay Language for Post Graduates	3
URSP 6013	Environmental Ethics	3
UANP 6013	Informatics in Society	3
URSP 6023	ICT Ethics and Society	3
UCSM 1263	IT Project Management	3

Pre-Requisite Courses (Compulsory for on-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	Mass Balance	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)		
Course Code	Course Name	Credit
MKKK 2180	Dissertation	-

Programme Coordinator : Dr. Nor Alafiza Yunus
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PROGRAM STRUCTURE – NORMAL STUDENT (WITHOUT PRE-REQUISITE)

COURSES OFFERED FOR NEW INTAKE STUDENTS SESSION 2021/2022 SEMESTER 1

SYLLABUS	COURSE CODE	MODE OF TEACHING	SEMESTER	SECTION	DAY & TIME	LECTURER'S NAME & CONTACT NO : (Email & HP no.)
University General Courses	<i>Refers to SPS website https://sps.utm.my/academic-related-resources/</i>					
Core Faculty Courses	UKKP 0013					
Core Courses	MKKK 1413	Online	1	01	Sunday 9.00 am – 12.00 pm	Prof. Dr. Mohd. Zaki Kamsah r-zaki@utm.my 019-7770919
	MKKK 1513	Online	1	01	Sunday 2.00 pm – 5.00 pm	Assoc. Prof. Ir. Dr. Muhammad Abbas Ahmad Zaini r-abbas@utm.my 016-2581878
	MKKK 1423	Online	1	01	Tuesday 9.00 am – 12.00 pm	Prof. Ir. Dr. Nor Aishah Saidina Amin noraishah@cheme.utm.my 012-7165490
	MKKK 1643	Online	1	01	Thursday 9.00 am – 12.00 pm	Dr. Saharuddin Haron saharudinh@utm.my 019-7790074
Elective Courses	-					