

Faculty/School	Faculty of Engineering/ School of Chemical & Energy Engineering
Program Name	Master of Engineering (Bioprocess)
Program Code	MKKB
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
UHS 6013	Philosophy of Science and Civilization	3
UHPS 6013	Dynamics of Leadership	3
UHAZ 6313	Bahasa Malaysia Akademik I	3
UHAZ 6323	Bahasa Malaysia Akademik II	3
UBSS 6013	Organizational Behavior dan Development	3
UECS 6013	IT Project Management	3
ULAJ 6013	Japanese Language for Postgraduates	3

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

Core Courses (Compulsory)		
Course Code	Course Name	Credit
MKKB 1103	Biotechnology for Engineers	3
MKKB 1113	Industrial Bioprocessing	3
MKKB 1123	Facilities and Infrastructures in Bioprocess Engineering	3
MKKB 1133	Bioproduct Development	3

Elective Courses (Choose 1 only)		
Course Code	Course Name	Credit
MKKK 1613	Energy Analysis and Management	3
MKKK 1683	Process Integration	3
MKKK 1653	Safety and Health in Process Industries	3
MKKK 1513	Advanced Transport Phenomena	3
METW 1273	Human Factor	3
METW 1313	Environmental Management	3
METW 1323	Pollution Control Technology	3
MKKT 1023	Management of Herbal Quality	3
MKKT 1033	Herbal Processing	3

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

Programme Coordinator : Dr. Nor Hasmaliana Abd. Manas
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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	MKKB 1103	1	01	Sunday 9.00 am - 12.00 pm	Dr. Lee Ting Hun leetinghun@utm.my 019-7539346
	MKKB 1113	1	01	Sunday 2.00 pm - 5.00 pm	Dr. Harisun Ya'akob harisun@utm.my 012-7830020
Elective Course	METW 1323	1	01	Tuesday 8.00 am – 11.00 am	Assoc. Prof. Dr. Anwar Johari anwar@utm.my 019-7566007
Dissertation	-				