

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	2020/2021-2

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
UHAW 6023	Falsafah Sains dan Pembangunan Sosial	3
UHAF 6033	Kepimpinan Dinamik	3
UHAZ 6313	Bahasa Malaysia Akademik I	3
UHAZ 6323	Bahasa Malaysia Akademik II	3
UDPE 1123	Organizational Behavior dan Development	3
UCSM 1263	Pengurusan Projek IT	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
MKKH 1373	Human Factor	3
MKKH 1513	Environmental Management	3
MKKH 1523	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	-

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PROGRAM STRUCTURE

COURSES OFFERED FOR NEW INTAKE STUDENTS SESSION 2020/2021 SEMESTER 2

SYLLABUS	COURSE CODE	MODE OF TEACHING	SEMESTER	SECTION	DAY & TIME	LECTURER'S NAME & CONTACT NO : (Email & HP no.)
University General Courses	<i>Refer SPS website for schedule</i> https://sps.utm.my/academic-related-resources/					
Core Faculty Courses	UKKP 0013	ONLINE	1	03	Thursday 9.00 am – 12.00 pm	Dr. Umi Aisah Asli umi_aisyah@utm.my 012-7379054
Core Courses	MKKB 1123	ONLINE	1	01	Sunday 9.00 am - 12.00 pm	Prof. Dr. Hesham Ali Metwally El Enshasy hesham@utm.my 011-17739884
	MKKB 1133	ONLINE	1	01	Sunday 2.00 pm - 5.00 pm	Prof. Dr. Ida Idayu Muhammad idaidayu@utm.my 016-7393876
Elective Courses <i>(please choose 1 only)</i>	MKKK 1653	ONLINE	1	01	Sunday 9.00 am – 12.00 pm	Assoc. Prof. Ir. Dr. Norzita Ngadi norzita@utm.my 019-6890870
	MKKK 1683	ONLINE	1	01	Tuesday 10.00 am – 1.00 pm	Prof Ir. Dr. Sharifah Rafidah Wan Alwi syarifah@utm.my 019-868 3085