

## GRADUATION CHECKLIST INTAKE 2019/2020

To graduate, students must pass all the stated courses in this checklist with minimum B grade. Students must achieve a total of 40 credit hours with a minimum of cumulative B grade or CGPA of 3.0 and passed master research dissertation project and has submitted the approved dissertation to UTM. It is the responsibility of the students to ensure that all courses are taken and passed. Students who do not complete any of the course are not allowed to graduate.

NO.	CODE	COURSE	CREDIT EARNED (JKD)	CREDIT COUNTED (JKK)	TICK (✓) IF PASSED
<b>UNIVERSITY ELECTIVE</b>					
1	UHAP6013	Seminar Pembangunan Isu-Isu Sosial dan Ekonomi Global	3	3	
2	UHAW6023	Falsafah Sains dan Pembangunan Sosial	3	3	
3	UHAF6033	Kepimpinan Dinamik	3	3	
4	UHAZ6113	Budaya Malaysia I	3	3	
5	UHAZ6123	Budaya Malaysia II	3	3	
6	UHAZ6313	Bahasa Malaysia Akademik I	3	3	
7	UHAZ6323	Bahasa Malaysia Akademik II	3	3	
8	UBSE1123	Organizational Behavior	3	3	
9	UCSM1263	Pengurusan Projek IT	3	3	
10	ULAJ 6013	Japanese Language for Postgraduates	3	3	
TOTAL CREDIT OF UNIVERSITY ELECTIVE			<b>3</b>	<b>3</b>	
<b>PROGRAMME CORE COURSES</b>					
11	MKKL1113	Introduction to Chemical Processes Engineering and industry	3	3	
12	MKKL 1123	Chemical Process & Equipment	3	3	
13	MKKL 1133	Process Operation control & Troubleshooting	3	3	
14	MKKL 1143	Energy Management	3	3	
15	MKKL 1153	Environmental Management Plan	3	3	
16	MKKL 1523	Quality Management	3	3	
17	MKKL 1533	Financial Analysis	3	3	
18	MKKL 2063	Research Methodology and value creation through innovation	3	3	
TOTAL CREDIT OF PROGRAM CORE			<b>24</b>	<b>24</b>	
<b>PROGRAMME ELECTIVE COURSES* (Choose 1)</b>					

19	MKKL1513	Human Factors in Industry	3	3	
20	MKKL1873	Strategic Marketing, Planning, Management	3	3	
TOTAL CREDIT OF PROGRAMME ELECTIVE			<b>3</b>	<b>3</b>	
<b>DISSERTATION</b>					
21	MKKL2004	Project 1	4	4	
22	MKKL2006	Project 2	6	6	
TOTAL CREDIT OF DISSERTATION			<b>10</b>	<b>10</b>	
TOTAL CREDIT TO GRADUATE			<b>40</b>	<b>40</b>	

*\*The courses are offered subjected to availability of the courses for the particular semester in the School of Chemical and Energy Engineering*