

GRADUATION CHECKLIST

To graduate, students must pass all the stated courses in this checklist with minimum B grade. Students must achieve a total of 45 credit hours with a minimum of cumulative B grade or CGPA of 3.0 and passed master research 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 EARNE D (JKD)	CREDIT COUNTED (JKK)	TICK (√) IF PASSED
PROGRAMME CORE COURSES (Compulsory)					
1	MKKE 1113	Mechanical and Electrical Energy Management	3	3	
2	MKKE 1123	Energy Life Cycle Cost and Emission Analysis	3	3	
3	MKKE 1213	Sustainable Energy Management	3	3	
4	MKKE 1223	Project Management and Ethics	3	3	
5	MKKE 1233	Research Methodology and Design of Experiments	3	3	
6	MKKE 1243	Computer Aided Tools for Energy-Efficient Industry	3	3	
TOTAL CREDIT OF CORE COURSES (a)			12	12	
PROGRAMME ELECTIVE COURSE (Choose only 4 Courses)					
7	MKKE 2133	Renewable Energy	12	12	
8	MKKE 2143	Energy Integration and Resource Conservation			
9	MKKE 2153	Thermal Energy Management			
10	MKKE 2163	Biomass for Renewable Energy, Fuels and Chemicals			
11	MKKE 2173	Inherent Occupational Health Assessment in Chemical Process			
12	MKKE 2253	Solid and Hazardous Waste Management			
TOTAL CREDIT OF ELECTIVE COURSE (b)			12	12	
UNIVERSITY GENERAL COURSE					
13	U*** **3	University General Course	3	3	
TOTAL CREDIT OF UNIVERSITY GENERAL COURSE (c)			3	3	
RESEARCH SKILLS					
14	MKKE 1315	Master Project 1	5	5	
15	MKKE 2327	Master Project 2	7	7	
TOTAL CREDIT OF RESEARCH SKILLS (d)			12	12	
TOTAL CREDIT TO GRADUATE [(a)+(b)+(c)+(d)]			45	45	