

Faculty/School	Faculty of Chemical and Energy Engineering
Program Name	Master of Science (Energy Management)
Program Code	METE
Mode of Program	Taught Course
Academic Session /Semester	2024/2025-2

COURSE MENU

UNIVERSITY GENERAL COURSES (Choose 1 Course)		
Code	Courses Name	Credit
UHMS 6013	Seminar on Global Development Economic & Social Issues	3
UHMZ 6023*	Malaysian Society and Culture	3
UHLM 6013*	Malay Language Academic Writing	3
UHis 6013	Philosophy of Science and Civilization	3
UHPS6013	Dynamics of Leadership	3
UECS6013	IT Project Management	3
UBSS6013	Organizational Behavior and Development	3
URTS6013	Etika Alam Sekitar	3
UBSS6023	Business Ethics, Responsibility and Sustainability	3
UECS6023	Introduction to Technopreneurship	3

CORE FACULTY COURSES (All compulsory) 18 CREDIT		
Code	Courses Name	Credit
METU1013	Research Methodology	3
METE1113	Sustainable Energy Management and Audit	3
METE1123	Mechanical Energy Management and Audit	3
METE1133	Electrical Energy Management and Audit	3
METE1143	Thermal Energy Management and Audit	3
METE1153	Occupational Safety for Energy Systems	3

ELECTIVE COURSES (Choose 4 Courses Only) 12 CREDIT		
Code	Courses Name	Credit
METE1213	Renewable Energy	3
METE1223	Energy Life Cycle cost and Emission Analysis	3
METE1233	Energy Integration and Resource Conservation	3
METE1243	Industrial Process Analysis	3
METE1253	Energy Planning for Conservation and Sustainable Development	3
METE1263	Project Management and Ethics	3

PROJECT (Compulsory) 12 CREDIT		
Code	Courses Name	Credit
METE1315	Energy Project 1	5
METE1327	Energy Project 2	7
TOTAL CREDIT		45

Nama Penyelaras : Prof. Madya Ir. Dr. Lim Jeng Shiun
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PROGRAM STRUCTURE (METEA1AJA – MAINSTREAM JOHOR BAHRU)

COURSES OFFERED FOR NEW INTAKE STUDENTS SESSION 2024/2025 SEMESTER 2

SYLLABUS	COURSE CODE	SEMESTER	SECTION	DAY & TIME	LECTURER'S NAME AND CONTACT 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	METU1013	2	01	Wednesday 2.00pm – 5.00pm	Prof. Madya Dr. Zainul Akmar Zakaria zainulakmar@utm.my 0126270423
Core Courses	METE1143	2	01	Tuesday 10.00am – 1.00pm	Prof. Madya Ir. Dr. Lim Jeng Shiun jslim@utm.my 012-7800 221 Prof. Ir. Ts. Dr. Zainuddin A. Manan dr.zain@utm.my 019-7781000
	METE1123	2	01	Monday 2.00pm – 5.00pm	Dr. Natrah Kamaruzaman natrahk@utm.my 013-7721261
Elective Course	METE1233	2	01	Wednesday 8.00am – 11.00am	Prof. Ir. Ts. Dr. Sharifah Rafidah Wan Alwi syarifah@utm.my 0198683085 Prof. Ir. Ts. Dr. Zainuddin A. Manan dr.zain@utm.my 019-7781000
	METE1263	2	01	Friday 8.00am – 11.00am	Prof. Madya Dr. Umi Aisah Asli umi_aisyah@utm.my 012-7379054
	METE1253	2	01	Thursday 2.00pm – 5.00pm	Prof. Ir. Dr. Haslenda Hashim haslenda@utm.my 019-7956265

PROGRAM STRUCTURE (METEA1HKA – OFFSHORE KUALA LUMPUR - HYBRID)

COURSES OFFERED FOR NEW INTAKE STUDENTS SESSION 2024/2025 SEMESTER 2

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	-	-	-	-	-
Core Courses	METE1143	2	02	12/4/2025 – 13/4/2025 3/5/2025 - 4/5/2025 14/6/2025-15/6/2025 Saturday & Sunday 9.00am – 5.00pm	Prof. Madya Ir. Dr. Lim Jeng Shiun jslim@utm.my 012-7800 221 Prof. Ir. Ts. Dr. Zainuddin A. Manan dr.zain@utm.my 019-7781000
	METE1133	2	02	26/4/2025 – 27/4/2025 17/5/2025 – 18/5/2025 21/6/2025 – 22/6/2025 Saturday & Sunday 9.00am – 5.00pm	Prof. Madya Ir. Dr. Mohd Hafiz Habi Buddin mdhafiz@utm.my 01-7795719 Prof. Madya Ts. Dr. Norzanah Rosmin norzanah@utm.my 019-7100453
Elective Course	METE1233	2	02	Independent Study For Retake Student	Prof. Ir. Ts. Dr. Sharifah Rafidah Wan Alwi syarifah@utm.my 0198683085 Prof. Ir. Ts. Dr. Zainuddin A. Manan dr.zain@utm.my 019-7781000
	METE1213	2	02	22/3/2025 – 23/3/2025 19/4/2025 – 20/4/2025 10/5/2025 – 11/5/2025 Saturday & Sunday 9.00am – 5.00pm	Prof. Madya Ts. Dr. Ho Wai Shin hwshin@utm.my 016-4401186