

Faculty/School	Malaysia-Japan International Institute of Technology / Department of Management of Technology (MOT)
Program Name	Master of Science (Engineering Education)
Program Code	MRST
Mode of Program	Taught Course
Academic Session/ Semester	20242025/2

COURSE MENU

University General Courses (Compulsory) - 3 credits		
Course Code	Course Name	Credit
URSP0013	Research Methodology	3
University General Courses (Choose 1 only) - 3 credits		
ULAJ 1163	Japanese Language	3
URSP 6013	Environmental Ethics	3
URSP 6023	Information and Communication Technology Ethics and Society	3
UHAP 6013	Seminar on Global Development, Economy and Social Issues	3
UHAZ 6123	Malaysian Society and Culture	3
UHAZ 6323	Malay Language for Postgraduates	3
UBSE 1123	Organizational Behavior and Development	3

Core Courses (All compulsory) - 18 credits		
Course Code	Course Name	Credit
MRST 1113	Philosophy in Engineering Education	3
MRST 1123	Teaching and Learning in Engineering Education	3
MRST 1133	Assessment and Evaluation in Engineering Education	3

MRST 1143	Curriculum Development	3
MRST 1153	Instructional Design in Engineering Education	3
MRST 2113	Data Analysis in Engineering Education	3

Elective Courses (Choose 4 only) -12 credits		
Course Code	Course Name	Credit
MRST 2223	Trends in Engineering Education	3
MRST 2233	Instrument Development Theory and Application	3
MRST 2943	Practical Engineering Experience	3
MRST 2953	Practical Teaching Experience	3
MRST 2213	Professional Development in Engineering Education	3
MRSE 1513	Operation Strategy and Management	3
MRSE 1523	Quality Management and Techniques	3
MBSA 1623	Leading Talent in Organizations	3
MRSF 1223	Technovation Management	3
MPPE 1113	Cognitive Psychology	3
MPPE 1123	Advanced Educational Psychology	3
MPPE 1313	Theories of Motivation	3
MRST 2263	Development and Epistemology of Engineering Thinking	3
MRST 2273	Islamic Philosophy of Science and Technology	3

Research Project (Compulsory) - 10 credits		
Course Code	Course Name	Credit
MRST 1914	Master Project 1	4
MRST 2926	Master Project 2	6

PROGRAM PLAN STRUCTURE

Tahun	Komponen	Semester I			Semester II		
		Kod	Kursus	Kredit	Kod	Kursus	Kredit
1	Kursus Umum (3 kredit)	URSP 0013	RESEARCH METHODOLOGY	3	U***3	UNIVERSITY GENERAL COURSE	3
	Kursus Projek				MRST 1914	MASTER PROJECT 1	4
	Kursus Teras	MRST 1113	PHILOSOPHY IN ENGINEERING EDUCATION	3	MRST 1153	INSTRUCTIONAL DESIGN IN ENGINEERING EDUCATION	3
		MRST 1143	CURRICULUM DEVELOPMENT	3	MRST 1133	ASSESSMENT AND EVALUATION IN ENGINEERING EDUCATION	3
		MRST 1123	TEACHING AND LEARNING IN ENGINEERING EDUCATION	3			
	Kursus Elektif	MRST ***3	ELECTIVE 1	3	MRST ***3	ELECTIVE 2	3
	Jumlah Kredit				15		

Tahun	Komponen	Semester I			Semester II		
		Kod	Kursus	Kredit	Kod	Kursus	Kredit
2	Kursus Umum						
	Kursus Projek	MRST 2926	MASTER PROJECT 2	6			
	Kursus Teras	MRST 2113	DATA ANALYSIS IN ENGINEERING EDUCATION	3			
	Kursus Elektif	MRST ***3	ELECTIVE 3	3			
		MRST ***3	ELECTIVE 4	3			
	Jumlah Kredit						