

STUDY PLAN

PROGRAMME NAME : MASTER OF SCIENCE (INDUSTRIAL ENGINEERING)

PROGRAMME CODE : MEMI

SEPTEMBER INTAKE

COURSE	SEMESTER 1 (Normal)	SEMESTER 2 (Normal)	SEMESTER 3 (Short)	TOTAL CREDIT
University Elective	UXXX xxx3			3
Programme Core	MEMI 1843 MEMI 1853 MEMI 1903	MEMI 1863		12
Track Elective (Select 5 courses only)	MEMx xxx3	MEMx xxx3 MEMx xxx3 MEMx xxx3		12
Free Elective (Select 1 only)	Any 1 course cross discipline XXXX xxx3			3
Project 1		MKMI 1914		4
Project 2			MKMI 2926	6
TOTAL CREDIT	18	16	6	40

FEBRUARY INTAKE

COURSE	SEMESTER 1 (Normal)	SEMESTER 2 (Short)	SEMESTER 3 (Normal)	TOTAL CREDIT
University Elective	UXXX xxx3			3
Programme Core	MEMI 1843 MEMI 1853 MEMI 1903		MEMI 1863	12
Track Elective (Select 5 courses only)	MEMx xxx3		MEMx xxx3 MEMx xxx3 MEMx xxx3	15
Free Elective (Select 1 only)	Any 1 course cross discipline XXXX xxx3			3
Project 1		MKMM1914		4
Project 2			MKMM2926	6
TOTAL CREDIT	18	4	18	40

LIST OF COURSES

TYPE	CODE	COURSES
University Courses	UHMS 6013	(Choose ONE only) Seminar On Global Development, Economic and Social Issues
	UHS 6013	Philosophy Of Science and Civilization
	UECS 6023	Introduction To Technopreneurship
	UBSE 1123	Organization Behaviour and Development
	UBSS 6023	Business Ethics, Responsibility and Sustainability
	UECS 6013	IT Project Management
	UHLM 6013	Bahasa Melayu Penulisan Ilmiah
	UHMZ 6023	Malaysian Society and Culture
	UHPS 6013	Dynamics Of Leadership
	URTS 6013	Environmental Ethics
Program Core	MEMI 1903	Research Methodology
	MEMI 1843	Operations Planning and Control
	MEMI 1853	Operations Research and Application
	MEMI 1863	Industrial Data Analytics
Master Project	MEMI 1914	Master Project I
	MEMI 2926	Master Project II

PROGRAMME TRACK ELECTIVES (Choose one track only)

TRACK	CODE	ELECTIVE COURSES
1. Engineering Management		(Select 4 courses from this track)
	MEMI 2813	Project Management
	MEMI 2823	Engineering Economy and Finance
	MEMI 2833	Safety Management
	MEMI 2843	Quality Management
	MEMI 2853	Engineering and Technology Management
MEMI 2863	Lean Manufacturing	
2. System Engineering		(Select 4 courses from this track)
	MEMI 1813	Statistical Quality Engineering
	MEMI 1823	Supply Chain and Logistics
	MEMI 1833	Work Systems and Ergonomics
	MEMI 2823	Engineering Economy and Finance
	MEMI 2873	Modelling and Simulation
MEMI 2883	Facilities Planning and Design	
3. Manufacturing Engineering		(Select 4 courses from this track)
	MEMI 1813	Statistical Quality Engineering
	MEMP 1723	Green Manufacturing Technology
	MEMP 1743	CAD/CAM/AM
	MEMP 2723	Smart Manufacturing
	MEMP 2733	IT for Manufacturing
MEMM 1023	Product Innovation & Development	
4. Quality Engineering		(Select 4 courses from this track)
	MEMI 1813	Statistical Quality Engineering
	MEMI 2803	Engineering and Environmental Safety
	MEMI 2843	Quality Management
	MEMI 2863	Lean Manufacturing
	MEMI 2893	Risk Management
MEMP 2723	Smart Manufacturing	