

# For reference only. Courses offered and related information are subjected to change without prior notice

COURSE CODE	COURSE DESCRIPTION	Trimester offered		
		May	Oct	Jan
	<b>Core:</b>			
UEME1343	Material Science and Engineering	/		
UEME1323	Statics	/		
UEEA1243	Circuit Theory	/		
UEME1253	Engineering Drawing and CAD	/		
UEME1333	Engineering Thermodynamics I	/		
UECM1653	Mathematics for Engineering I	/		
UEME1233	Manufacturing Technology I			/
UEME1143	Dynamics			/
UEME1263	Solid Mechanics I			/
UECM1713	Mathematics for Engineering II			/
UEME1121	Mechanical Workshop Practice			/
UECS1643	Fundamentals of Programming			/
UEME2123	Fluid Mechanics I	/		
UECM2623	Numerical Methods and Statistics	/		
UEEA2433	Electrical Machines			/
UEEA1313	Basic Electronics	/		
UEME2153	Engineering Thermodynamics II			/
UEME2163	Solid Mechanics II			/
UEME2333	Mechanical Engineering Design			/
UEMT3113	Operations research and optimization			/
UEEA3423	Control Systems	/		
UEME3318	Integrated Design Project	/		/
UEME3213	Heat and Mass Transfer			/
UEME3223	Computer Aided Design and Manufacture			/
UEME3233	Mechanical Vibrations			/
UEEA2413	Process Control and Instrumentation			/
UEME3153	Fluid Mechanics II	/		
UEME3133	Mechanics of Machines	/		
UEME4253	Project Management		/	
UEEG2113	Law for Engineers	/		
UKMM1043	Basic Economics, Accounting and Management		/	
	<b>Project:</b>			
UEGE4118	Project	/		/
	<b>Industrial Training:</b>			
UEGE3116	Industrial Training		/	
	<b>Programme Elective: (Choose 3 courses)</b>			
UEME4343	Computational Methods in Solid Mechanics	/		
UEME4423	Manufacturing Technology II	/		
UEME4393	Quality and Reliability Engineering	/		
UEME4313	Principles of Refrigeration			/
UEME4363	Internal Combustion Engine			/
UEME4213	Computational Fluid Dynamics	/		
UEMH4113	Automation and Robotics			/
UEMH4523	Micro-Electromechanical Systems (MEMS)	/		
UEMT4223	Nanotechnology: Materials and Fabrications			/
UECS1403	Database System Fundamentals			/
UEEA1253	Signals, Circuits and Systems			/
UEMT4163	Safety and Health in Manufacturing Industries			/
UEMT4133	Total Productive Maintenance	/		
UEMT4143	Manufacturing Operations Management	/		
UEMT4153	Lean Six Sigma for Manufacturing Operations	/		
UEMT3223	Materials Selection and Alloy Design			/
	<b>General Elective: (Choose 1 course)</b>			
UBMM1013	Management Principles	/	/	/
UKTE2013	Entrepreneurship			/
UEEA3363	Renewable Energy			/
UEMH4723	Applications of Artificial Intelligence		/	
UECM2243	Data Analysis for Business Intelligence		/	
UECS2233	Electronic Commerce			/
UEME4233	Introduction to Railway Engineering and System Management		/	
UECS2133	Digital Economy	/		
	<b>Compulsory:</b>			
MPU32013 /UALXxxx3	Bahasa Kebangsaan (A) / Foreign Language			/
MPU3113 / MPU3173	Hubungan Etnik (for local students) / Malaysian Studies (for international students) - MPU1	/		
MPU3123 / MPU3143	Tamadun Islam dan Tamadun Asia (for local students) / Bahasa Melayu Komunikasi 2 (for international students) - MPU1			/
MPU32193	English for Professional Communications - MPU2	/		
MPU33183	Engineer in Society - MPU3	/		
UKMM1011	Sun Zi's Art of War and Business Strategies		/	
MPU34xx2	Co-curricular - MPU4		/	