

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

COURSE CODE	COURSE DESCRIPTION	Trimester offered		
		May	Oct	Jan
	Core:			
UECM1653	Mathematics for Engineering I	/		
UEEA1243	Circuit Theory	/		
UEME1253	Engineering Drawing and CAD	/		
UECS1643	Fundamentals of Programming	/		
UEME1323	Statics	/		
UEME1333	Engineering Thermodynamics I	/		
UEME1343	Material Science and Engineering	/		
UEME1263	Solid Mechanics I			/
UEME1233	Manufacturing Technology I			/
UEME1121	Mechanical Workshop Practice	/		
UEME1143	Dynamics			/
UECM1713	Mathematics for Engineering II	/		
UEME2123	Fluid Mechanics I	/		
UECM2623	Numerical Methods and Statistics	/		
UEEA1323	Digital Electronics			/
UEMT2123	Polymer Science and Technology			/
UEMT2233	Materials Chemistry	/		
UEMT2133	Phase Transformations and Heat Treatment			/
UEMT3138	Integrated Design Project	/		/
UEME4253	Project Management		/	
UEMH4413	Sensors and Instrumentation			/
UEMT4253	Industrial Automation and Robotics			/
UEME3223	Computer Aided Design and Manufacture			/
UEMT2223	Materials Testing and Fracture Analysis			/
UEMT3213	Foundry Engineering			/
UEME3213	Heat and Mass Transfer			/
UEMT3233	Engineering Composite Materials	/		
UEME4423	Manufacturing Technology II	/		
UEME4393	Quality and Reliability Engineering	/		
UEMT3223	Materials Selection and Alloy Design			/
UEEG2113	Law for Engineers	/		
UKMM1043	Basic Economics, Accounting and Management		/	
	Project:			
UEGE4118	Project	/		/
	Industrial Training:			
UEGE3116	Industrial Training		/	
	Programme Elective I : (Choose 1 course):			
UEMT3243	Physical Metallurgy			/
UEMT4223	Nanotechnology: Materials and Fabrications			/
UEMT3123	Corrosion Engineering			/
UEMT2213	Engineering Ceramics			/
	Programme Elective II : (Choose 1 course):			
UECS1403	Database System Fundamentals			/
UEME4343	Computational Methods in Solid Mechanics	/		
UEMT4163	Safety and Health in Manufacturing Industries			/
UEMT4133	Total Productive Maintenance	/		
UEMT4143	Manufacturing Operations Management	/		
UEMT4153	Lean Six Sigma for Manufacturing Operations	/		
UEMT3113	Operations research and optimization			/
	General Elective: (Choose 1 course):			
UKTE2013	Entrepreneurship			/
UBMM1013	Management Principles	/	/	/
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	/		
	Compulsory:			
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		/	