

**STRUKTUR IJAZAH SARJANA MUDA KEJURUTERAAN (KEPUJIAN) KEJURUTERAAN MEKATRONIK
BACHELOR'S DEGREE IN ENGINEERING (HONS) MECHATRONIC ENGINEERING STRUCTURE**

100		200		300		400				
Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8			
TERAS (CORE)	EUM113/3 Kalkulus Kejuruteraan (Engineering Calculus)	EUM114/3 Kalkulus Kejuruteraan Lanjutan (Advanced Engineering Calculus)	EEE232/3: Analisis Kompleks (Complex Analysis)	EEM253/2 Rekabentuk Mekanik I (Mechatronic Design I)	EEM355/3: Sistem Mekanik (Mechatronic Systems)	EEM323/3 Sistem Peralatan & Pengukuran (Instrumentation And Measurement Systems)	EEM441/2 Makmal Peralatan & Kawalan (Instrumentation And Control Lab)	EEM 499/6 Projek Prasiswazah (Undergraduate Project)		
	EMD101/2 Lukisan Kejuruteraan (Eng. Drawing)	EEE125/3 Makmal Asas Litar (Basic Circuit Lab)	EEM242/2 Makmal Mekanik I (Mechatronic Lab I)	EEE226/3 Mikropemproses I (Microprocessor I)	EEK361/3 Power Electronics	EEE354/3 Sistem Kawalan Digit (Digital Control Systems)	EEM422/2 Penglihatan Mesin (Machine Vision)	EEM421/4 Kaedah Kualiti (Quality Techniques)		
	EEM102/2 Amalan Kej. Mekanik (Mechatronic Eng. Practice)	EEE130/3 Elektronik Digit I (Digital Electronic I)	EEE241/3 Elektronik Analog I (Analog Electronics I)	EEK260/3 Mesin Elektrik (Electrical Machines)	EEE350/3 Sistem Kawalan (Control Systems)	EUP 222/3 Jurutera Dalam Masyarakat (Engineer In Society)	EEM425/3 Mechatronic System Design (Mechatronic Design II)			
	EEE105/3 Teori Litar I (Circuit Theory I)	EMM 102/3 Statik (Static)	EEE228/3 Isyarat & Sistem (Signal And System)	EEM222/4 Asas Dinamik & Mekanisma (Funds of Dynamics & Mechanism)	EEE382/3: Kebarangkalian & Statistik Kejuruteraan (Probability & Engineering Statistics)	EEM344/2 Makmal Mekanik II (Mechatronic Lab II)				
	EEE123/3 Pengaturcaraan Komputar Utk Jurutera (Computer Programming For Engineers)	EEE133/3 Peranti & Litar Elektronik (Electronic Devices & Circuit)	EEM 223/3 Termobendalir (Thermofluids)		EEE353/3: Rekabentuk Kejuruteraan Mekanik (Mechanical Engineering Design)	EEM343/3 Robotik (Robotics)				
	EEM101/3 Prinsip & Mekanik Bahan (Principles And Mechanics Of Materials)									
	16	15	14	12	15	14	5	7	10	108
KEP. UNIV. (UNIV REQ.)	LKM 400/2 B.Malaysia (Malay Language)	WUS101/2: Teras Keusahawanan (Core Entrepreneurship)	LSP/2: B.Inggeris (English Language)	HTU223/2 :TITAS (Islamic and Asian Civilisations) SHE101/2 Hubungan Etnik (Ethnic Relations)	LSP/2: B.Inggeris (English Language)			OPSYEN/3 (Option/3)	15	
ELEKTIF (ELECTIVE)	<p align="center">Catatan (Note) :</p> <p align="center">Pilih SATU kursus Elektif pada Semester 6 dan Sebarang DUA kursus Elektif pada Semester 7</p> <p align="center">(Choose ONE Elective course from Semester 6 and any TWO Elective courses from Semester 7)</p>						EEM348/4 Prinsip Sistem Pintar (Principle Of Intelligent Systems)	EEM423/4 Kejuruteraan Kebolehpercayaan (Reliability Eng.)	12	
							EEM 354/4 Pengurusan Dan Teknologi Pembuatan (Manufacturing Management and Technology)	EEM424/4 Rekabentuk Ujikaji (Design of Experiments)		
								EEE453/4 Rekabentuk Sistem Kawalan (Control System Design)		
								EEE430/4 Kej. Perisian (Software Engineering)		
Jumlah Unit per Semester	18	17	16	16	17	18	5	15	13 10 (tanpa opsyen)	135
JUMLAH UNIT MINIMUM BAGI PENGIJAZAHAN (TOTAL MINIMUM UNIT FOR GRADUATION)										135