

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

100		200		300		400			
Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8		
TERAS (CORE)	EUM 113/3 Kalkulus Kej. (Engineering Calculus)	EUM114/3 Kalkulus Kejuruteraan Lanjut (Advanced Engineering Calculus)	EEE232/3 Analisis Kompleks (Complex Analysis)	EEE276/3 Teori Elektromagnet (Electromagnetic Theory)	EEK 361/3 Elektronik Kuasa (Power Electronics)	EEK360/3 Makmal Elektrik (Electrical Laboratory)	EEK 468/3 Pacuan & Mesin Elektrik (Electrical Machine & Drives)	EEK499/6 Projek Prasiswazah (Undergraduate Project)	
	EBB113/3 Bahan Kej. (Engineering Material)	EEE125/3 Makmal Asas Litar (Basic Circuit Lab)	EEE231/3 Makmal Elektro nik Digit (Digital Electronics Lab)	EEE243/3 Makmal Elektronik Analog (Analog Electronics Lab)	EEK 369/3 Kejuruteraan Voltan Tinggi (High Voltage Engineering)	EEK372/3 Analisis Sistem Kuasa (Power System Analysis)	EEK425/3 Reka Bentuk Kejuruteraan Elektrik (Electrical Engineering Design)	EEK470/4 Sistem Pengagihan Elektrik Kuasa (Electric Power Distribution System))	
	EMM101/3 Mekanik Kej. (Engineering Mechanical)	EEE130/3 Elektronik Digit I (Digital Electronic I)	EEE208/3 Teori Litar II (Circuit Theory II)	EEE226/3 Mikropemproses I (Microprocessor I)	EEE332/4 Perhubungan (Communication)	EUP 222/3 Jurutera Dalam Masyarakat (Engineer In Society)			
	EEE105/3 Teori Litar I (Circuit Theory I)	EEE133/3 Peranti Elektronik (Electronic Devices)	EEE241/3 Elektronik Analog I (Analog Electronics I)	EEK260/3 Mesin Elektrik (Electrical Machines)	EEE350/3 Sistem Kawalan (Control Systems)	EEM323/3 Sistem Peralatan dan Pengukuran (Instrumentation & Measurement Systems)			
	EEE 123/3 Pengaturcaraan Komputer Utk Jurutera (Computer Programming for Engineers)	EEL102/2 Amalan Kejuruteraan (Engineering Practice)	EEE228/3 Isyarat & Sistem (Signal And System)	EEK241/3 Teknologi Elektrik Kuasa (Electrical Power Technology)	EEE382/3 Kebarangkalian & Statistik Kej. (Probability & Engineering Statistic)				
15	14	15	15	16	12	5	6	10	108
KEP UNIV. (UNI. REQA)	LKM 400/2 B.Malaysia (Malay Language)	WUS101/2 Teras Keusahawanan (Core Entrepreneurship)	LSP/2 B.Inggeris (English Language)	HTU 223/2 TITAS (Islamic and Asian Civilisations)	LSP/2 B.Inggeris (English Language)			OPSYEN/3 (Option/3)	15
				SHE101/2 Hubungan Etnik (Ethnic Relations)					
ELEKTIF (ELECTIVE)	Pelajar perlu mengambil tiga kursus elektif seperti berikut: i) Opsyen A : Semua tiga kursus elektif dari program elektrik ii) Opsyen B: Dua kursus elektif dari program elektrik dan satu kursus elektif dari program elektronik atau mekatronik				EEK373/4 Elektronik Kuasa Lanjutan (Advanced Power Electronic)	EEK 474/4 Rekabentuk Mesin Elektrik (Electrical Machine Design)			12
	Student should take elective courses as follow: i) Option A: All three elective courses are from electrical program ii) Option B: Two elective courses are from electrical program and one elective course is from electronic or mechatronic Prog.				EEM348/4 Prinsip Sistem Pintar (Principle of intelligent System)	EEK 475/4 Ekonomi & Pengurusan Sistem Kuasa (Economy And Management Of Power System)			
					EEE322/4 Kej. Gelombang Mikro & RF (RF & Microwave Engineering)	EEK 477/4 Tenaga Diperbaharui (Renewable Energy)			
17	16	17	19	18	16	5	14	13 (10 tanpa opsyen)	135
JUMLAH UNIT MINIMUM BAGI PENGIJAZAHAN (TOTAL MINIMUM UNIT FOR GRADUATION)									135