Overview on PKE

The Electrical and Electronic Engineering Programme (PKE) was among the first programme founded in the Faculty of Engineering and Built Environment. Initially known as the Unit of Electronic under the Department of Physics in the Faculty of Science on 1st May 1978, it became a full department known as the Department of Electronic in the Faculty of Physics and Applied Science. With joint efforts from the staff of the Department of Electronic and the Department of Chemical Technology, the Faculty of Engineering and Built Environment was established on 1st November 1984. Upon the establishment of the Faculty of Engineering and Built Environment, the name of the department was changed to the Department of Electrical,Electronic and Systems Engineering. After nearly 33 years thereafter, through a new restructuring process at the Faculty of Engineering and Architecture in 2018, the department's name was transformed as the Electrical and Electronic Engineering Program.

KZ Curriculum

Sem.	Code	Course Title	Course Type	Credit Hour *
I	LMCK1621	Ethical & Professional	Core	1
	LMCE1002	Foundation English (MUET Band 1 & 2)	Core	-
	LMCE1012 LMCE1022	Academic Communication I (MUET Band 3) Academic Communication II (MUET Band 4,5 & 6)	Core	2
	KKKL1103	CAD/CAE	Core	3
	KKKL1113	Circuit Theory I	Core	3
	KKKL1133	Physics for Engineers	Core	3
	KKKQ1123	Engineering Mathematics I (Vector Calculus)	Core	3
			Total	15
II	LMCW1022	Entrepreneurship & Innovation Base	Core	2
	LMCE1012	Academic Communication I (MUET Band 3) (*offered to students who pass LMCE1002 only)	Core	2*
	LMCXXXX2	Free flow (course outside faculty)	Core	2
	LMCXXXX2	Free flow (course outside faculty)	Core	2
	KKKL1123	Circuit Theory II	Core	3
	KKKL1141	Electrical & Electronics Laboratory I	Core	2
	KKKL1163	Programming Language	Core	3
	KKKQ1223	Engineering Mathematics II (Linear Algebra)	Core	3
			Total	17
III	LMCW2163	Islamic & Asian Civilisation	Core	3
	LMCE2052	English for Engineering & Architecture	Core	2
	KKKL2123	Signal & System	Core	3
	KKKL2151	Electrical & Electronics Laboratory II	Core	2
	KKKL2173	Analogue Electronics	Core	3
	KKKQ2123	Differential Equation	Core	3
			Total	16

IV	LMCW2173	Ethnic Relation (Citra)	Core	3
	LMCK2922	Kemahiran Insaniah (Citra)	Core	2
	KKKL2121	Digital Electronics Laboratory	Core	1
	KKKL2133	Electromagnetic Fields & Waves	Core	3
	KKKL2163	Digital Electronics	Core	3
	KKKL2183	Communication Theory	Core	3
	KKKQ2223	Complex Analysis	Core	3
			Total	18
V	KKKF3283	Engineering Ethics & Technological Advancement	Core	3
	KKKL3113	Measurements & Instrumentation	Core	3
	KKKL3293	Microprocessor & Microcomputer	Core	4
	KKKQ3123	Statistics & Numerical Method	Core	3
	KKKZ3073	Electrical Machines	Core	3
			Total	16
VI	KKKF3103	Project Management	Core	3
	KKKL3161	Electrical & Electronics Laboratory III	Core	2
	KKKL3183	Digital Signal Processing	Core	4
	KKKL3233	System Design	Core	4
	KKKZ3123	Control Engineering	Core	3
	KKKZ3143	Power Engineering	Core	3
			Total	19
Inter-session	KKKF3066	Industrial Training	Core	6
			Total	6
VII	LMCE3011 LMCE3021 LMCE3031 LMCE3041	(Choose ONE only) Speech Communication Presentation Skills Professional Written Communication Effective Job Search & Application	Core	1
	KKKZ4113	Power Electronics	Core	3
	KKKZ4123	Control System Design	Core	4
	KKKZ4133	Electrical Power Generation & Energy Conversion	Core	3
	KKKZ4162	Project I	Core	2
	KKKZ4013 KKKZ4023	(Choose ONE only) Biosignal & System Power System Protection & Safety	Elective	3
			Total	16
VIII	KKKL4123	Engineering Economics & Cost Accounting	Core	4
	KKKZ4033	Power System Analysis	Core	3
	KKKZ4164	Project II	Core	4
	KKKZ4043 KKKZ4063	(Choose ONE only) Power Quality Computer Controlled System	Elective	3
			Total	14
TOTAL CREDIT HOURS				**137**

* SLT credit hour based on EAC Accreditation Manual 2017