

**Bachelor of Electronics Engineering Technology (Industrial Electronics) with Honours
(BEEE)**

	CODE	SUBJECT	CATEGORY	CREDIT	PRE-REQUISITE
SEMESTER 1	BEEU 1013	Matematik Teknikal <i>Technical Mathematics</i>	P	3	
	BEEE 1013	Fizik Teknikal <i>Technical Physics</i>	P	3	
	BEEE 1303	Bengkel Kejuruteraan I <i>Engineering Workshop I</i>	K	3	
	BEEI 1303	Pengenalan Litar Elektrik <i>Electrical Circuit Fundamental</i>	K	3	
	BLLW 1142	Bahasa Inggeris untuk Akademik <i>English for Academic Purposes</i>	W	2	
	BKKX XXX1	Kokurikulum I <i>Cocurriculum I</i>	W	1	
TOTAL CREDITS THIS SEMESTER				15	
SEMESTER 2	BEEU 1023	Kalkulus untuk Teknologi <i>Calculus for Technology</i>	P	3	
	BEEE 1313	Bengkel Kejuruteraan II <i>Engineering Workshop II</i>	K	3	
	**BEEI 1333	Litar Elektrik Lanjutan <i>Advanced Electrical Circuit</i>	K	3	BEEI 1303
	BEEE 1323	Pengenalan Elektronik <i>Electronic Fundamentals</i>	K	3	
	BEEC 1313	Asas Pengaturcaraan <i>Programming Fundamental</i>	K	3	
	BKKX XXX1	Kokurikulum II <i>Cocurriculum II</i>	W	1	
	BLHW 1762	Falsafah dan Isu-isu Semasa <i>Philosophy and Current Issues</i>	W	2	
TOTAL CREDITS THIS SEMESTER				18	

	CODE	SUBJECT	CATEGORY	CREDIT	PRE-REQUISITE
SEMESTER 3	BEEU 2033	Kalkulus Lanjutan untuk Teknologi <i>Advanced Calculus for Technology</i>	P	3	
	**BEEC 1353	Pengaturcaraan Lanjutan <i>Advanced Programming</i>	K	3	BEEC 1313
	**BEEE 2333	Peranti Elektronik Analog <i>Analogue Electronic Devices</i>	K	3	BEEE 1323
	BEEC 2404	Elektronik Digital <i>Digital Electronic</i>	K	4	
	BEEE 2343	Lukisan Kejuruteraan <i>Engineering Drawing</i>	K	3	
	BLLW 2152	Penulisan Akademik <i>Academic Writing</i>	W	2	
	BLHC 4032	Pemikiran Kritis dan Kreatif (untuk pelajar tempatan) <i>Critical and Creative Thinking</i> (for local students)	W	2	
BLHW 2752	Kebudayaan Malaysia (untuk pelajar antarabangsa) <i>Malaysian Culture</i> (for international students)				
TOTAL CREDITS THIS SEMESTER					
LOCAL STUDENT				20	
INTERNATIONAL STUDENT				20	
SEMESTER 4	BEEU 2043	Kaedah Statistik <i>Statistical Methods</i>	P	3	
	BEET 2333	Prinsip Komunikasi <i>Communication Principle</i>	K	3	
	BEEE 2354	Sistem Elektronik <i>Electronic Systems</i>	K	4	
	BEEE 2364	Prinsip Kawalan <i>Control Principles</i>	K	4	

	BEEE 2373	Teknologi Elektrik <i>Electrical Technology</i>	K	3	
	BLHW 2772	Penghayatan Etika dan Peradaban (untuk pelajar tempatan) <i>Appreciation of Ethics and Civilisation</i> (for local students)	W	2	
	BLLW 1172	Bahasa Melayu Komunikasi 1 (untuk pelajar antarabangsa) <i>Malay Language for Communication 1</i> (for international students)			
TOTAL CREDITS THIS SEMESTER					
LOCAL STUDENT				19	
INTERNATIONAL STUDENT				19	
	CODE	SUBJECT	CATEGORY	CREDIT	PRE-REQUISITE
SEMESTER 5	BEEE 3384	Kawalan Industri <i>Industrial Control</i>	K	4	
	BEEC 3444	Teknologi Mikropemproses & Mikropengawal <i>Microprocessor & Microcontroller Technology</i>	K	4	
	BEEE 3394	Proses Instrumentasi <i>Process Instrumentation</i>	K	4	
	BEEE 3404	Perolehan Data & Penderia <i>Data Acquisition & Sensors</i>	K	4	
	BLLW 31 62	Bahasa Inggeris untuk Interaksi Profesional <i>English for Professional Interaction</i>	W	2	
	***BLHX XXX2	Elektif Umum <i>General Elective</i>	E	2	
TOTAL CREDITS THIS SEMESTER				20	

SEMESTER 6	BEEE 3414	Pneumatik Perindustrian <i>Industrial Pneumatics</i>	K	4	
	BEEE 3424	Aplikasi Sistem Terbenam <i>Embedded Systems Application</i>	K	4	
	BEEU 3764	Projek Sarjana Muda I <i>Bachelor Degree Project I</i>	K	4	
	BTMW 4012	Keusahawanan Teknologi <i>Technology Entrepreneurship</i>	W	2	
	BLLW 1XX2	Bahasa Ketiga <i>Third Language</i>	W	2	
	*BEEEXXX4	Elektif I <i>Elective I</i>	E	4	
TOTAL CREDITS THIS SEMESTER				20	
	CODE	SUBJECT	CATEGORY	CREDIT	PRE-REQUISITE
SEMESTER 7	BEEU 4053	Etika Kejuruteraan & KKPP <i>Engineering Ethics & OSHE</i>	P	3	
	BEEE 4434	Automasi Perindustrian <i>Industrial Automation</i>	K	4	
	BEEE 4443	Pengurusan Kualiti <i>Quality Management</i>	K	3	
	**BEEU 4774	Projek Sarjana Muda II <i>Bachelor Degree Project II</i>	K	4	BEEU 3764
	*BEEEXXX4	Elektif II <i>Elective II</i>	E	4	
TOTAL CREDITS THIS SEMESTER				18	

SEMESTER 8	BEEU 4786	Latihan Industri <i>Industrial Training</i>	K	6	
	BEEU 4796	Laporan Latihan Industri <i>Industrial Training Report</i>	K	6	
TOTAL CREDITS THIS SEMESTER				12	
TOTAL CREDITS				142	

**Pre-requisite subject

* For Elective I students may choose any ONE (1) subject from the list below:

NO.	CODE	SUBJECT
1	BEEE 3804	Elektronik Kuasa <i>Power Electronic</i>
2	BEEC 4814	Pengantaramukaan Komputer <i>Computer Interfacing</i>
3	BEEE 3814	Proses Perindustrian Semikonduktor <i>Semiconductor Industrial Process</i>

* For Elective II, students may choose any ONE (1) subject from the list below:

NO.	CODE	SUBJECT
1	BEEE 4814	Robotik Perindustrian <i>Industrial Robotic</i>
2	BEEE 4824	Pemacu & Kawalan Elektrik <i>Electrical Drives & Control</i>
3	BEEC 4844	Pengujian Litar Bersepadu <i>IC Testing</i>

*** For General elective, students may choose any ONE (1) subject from the list below:

CODE	SUBJECT NAME
BLHW 1722	Falsafah Sains Dan Teknologi <i>Philosophy of Science and Technology</i>
BLHC 4012	Komunikasi Keorganisasian <i>Organizational Communication</i>
BLHH 1032	Psikologi Industri dan Organisasi <i>Industrial Psychology and Organization</i>
BLHC 4022	Kemahiran Perundingan <i>Negotiation Skills</i>
BLHW 2782	Sosiologi Industri <i>Industrial Sociology</i>
BLHW 2792	Integriti dan Anti-Rasuah <i>Integrity and Anti-Corruption</i>

For Professional Certificate Course, student may choose any ONE (1) certificate from the list below:

CODE	CERTIFICATE NAME
BITS 2610	Cisco Certified Network Associate Routing & Switching (Preparation)
BEEC 2210	IoT Fundamentals: Connecting Things Professional Certification
BEEC 2220	IoT Fundamentals: Big Data & Analytics Professional Certification
BEEE 3210	Programmable Logic Controller (PLC) Level 1 and Level 2
BEEE 4210	SMCT MT1 – Practical Mechatronics 1

Number of credit hours regarding to course category is represented in the table below:

W = University compulsory subjects

P = Program core subjects

K = Course core subjects

E = Elective subjects

Programme P	P	18
Course K	K	84
University Compulsory	W	18
Industrial Training	K	12
Elective	E	10
		142