

**Bachelor of Electronic Engineering Technology with Honours (BEEZ)**

	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	
	BEEI 1303	Pengenalan Litar Elektrik <i>Electrical Circuit Fundamental</i>	K	3	
	BEEE 1303	Bengkel Kejuruteraan I <i>Engineering Workshop I</i>	K	3	
	BEEC 1313	Asas Pengaturcaraan <i>Programming Fundamental</i>	K	3	
	BLLW 1142	Bahasa Inggeris untuk Akademik <i>English for Academic Purposes</i>	W	2	
<b>TOTAL CREDITS THIS SEMESTER</b>				<b>17</b>	
SEMESTER 2	BEEU 1023	Kalkulus untuk Teknologi <i>Calculus for Technology</i>	P	3	
	BEEZ 1203	Analisa Litar AC <i>AC Circuit Analysis</i>	K	3	
	BEEE 1313	Bengkel Kejuruteraan II <i>Engineering Workshop II</i>	K	3	
	BEEE 2343	Lukisan Kejuruteraan <i>Engineering Drawing</i>	K	3	
	BEEE 1323	Pengenalan Elektronik <i>Electronic Fundamentals</i>	K	3	
	BKKX XXX1	Kokurikulum I <i>Cocurriculum I</i>	W	1	
BIPW 1132	Falsafah dan Isu-isu Semasa <i>Philosophy and Current Issues</i>	W	2		
<b>TOTAL CREDITS THIS SEMESTER</b>				<b>18</b>	
	CODE	SUBJECT	CATEGORY	CREDIT	PRE-REQUISITE
SEMESTER 3	BEEU 2033	Kalkulus Lanjutan untuk Teknologi <i>Advanced Calculus for Technology</i>	P	3	
	**BEEE 2333	Peranti Elektronik Analog <i>Analogue Electronic Devices</i>	K	3	BEEE 1323
	BEEC 2404	Elektronik Digital <i>Digital Electronic</i>	K	4	
	BEET 2423	Isyarat & Sistem <i>Signal &amp; Systems</i>	K	3	
	BEEZ 1213	Instrumentasi & Pengukuran <i>Instrumentation &amp; Measurement</i>	K	3	
	BLLW 2152	Penulisan Akademik <i>Academic Writing</i>	W	2	
BKKX XXX1	Kokurikulum II <i>Cocurriculum II</i>	W	1		
<b>TOTAL CREDITS THIS SEMESTER</b>				<b>19</b>	
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	
	BEEZ 2404	Teknologi Mikropengawal <i>Microcontroller Technology</i>	K	4	
	BIPW 3112	Pemikiran Kritis dan Kreatif <b>(untuk pelajar tempatan)</b> <i>Critical and Creative Thinking</i> <b>(for local students)</b>	W	2	
	BIPW 2122	Kebudayaan Malaysia <b>(untuk pelajar antarabangsa)</b> <i>Malaysian Culture</i> <b>(for international students)</b>			
<b>TOTAL CREDITS THIS SEMESTER</b>					
				<b>LOCAL STUDENT</b>	<b>20</b>
				<b>INTERNATIONAL STUDENT</b>	<b>20</b>
	CODE	SUBJECT	CATEGORY	CREDIT	PRE-REQUISITE
SEMESTER 5	BEET 3383	Elektromagnetik <i>Electromagnetic</i>	K	3	
	BEEU 3803	Rekabentuk Projek Berintegrasi <i>Integrated Design Project</i>	K	3	
	BEEC 2383	Sistem & Rangkaian Komputer <i>Computer Network &amp; System</i>	K	3	
	**BEET 3373	Pemprosesan Isyarat Digital <i>Digital Signal Processing</i>	K	3	BEET 2423
	BLHW 2772	Penghayatan Etika dan Peradaban <b>(untuk pelajar tempatan)</b> <i>Appreciation of Ethics and Civilisation</i> <b>(for local students)</b>	W	2	
	BLHL 1012	Bahasa Melayu Komunikasi 1 <b>(untuk pelajar antarabangsa)</b> <i>Malay Language for Communication 1</i> <b>(for international students)</b>	W	2	
	*BEEC XXX3	Elektif I <i>Elective I</i>	E	3	
<b>TOTAL CREDITS THIS SEMESTER</b>					
				<b>LOCAL STUDENT</b>	<b>19</b>
				<b>INTERNATIONAL STUDENT</b>	<b>19</b>
SEMESTER 6	BEEE 3404	Perolehan Data & Penderia <i>Data Acquisition &amp; Sensors</i>	K	4	
	BEEU 3764	Projek Sarjana Muda I <i>Bachelor Degree Project I</i>	K	4	
	BLLW 3162	Bahasa Inggeris untuk Interaksi Profesional <i>English for Professional Interaction</i>	W	2	
	BTMW 4012	Keusahawanan Teknologi <i>Technology Entrepreneurship</i>	W	2	
	*BEEC XXX3	Elektif II <i>Elective II</i>	E	3	
	*BEEC XXX3	Elektif III <i>Elective III</i>	E	3	
	<b>TOTAL CREDITS THIS SEMESTER</b>				<b>18</b>

	CODE	SUBJECT	CATEGORY	CREDIT	PRE-REQUISITE
SEMESTER 7	BEEU 4053	Etika Kejuruteraan & KKPP <i>Engineering Ethics &amp; OSHE</i>	P	3	
	BEER 3424	Aplikasi Sistem Terbenam <i>Embedded Systems Application</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
	BLLW 1XX2	Bahasa Ketiga <i>Third Language</i>	W	2	
	*BEEU XXX3	Elektif IV <i>Elective IV</i>	E	3	
<b>TOTAL CREDITS THIS SEMESTER</b>				<b>19</b>	
SEMESTER 8	BEEU 4786	Latihan Industri <i>Industrial Training</i>	K	6	
	BEEU 4796	Laporan Latihan Industri <i>Industrial Training Report</i>	K	6	
<b>TOTAL CREDITS THIS SEMESTER</b>				<b>12</b>	
<b>TOTAL CREDITS</b>				<b>142</b>	

\*\* Pre-requisite subject

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

NO.	CODE	SUBJECT
1	BEET 3353	Sistem Telekomunikasi <i>Telecommunication System</i>
2	BEET 3413	Teknik RF & Gelombang Mikro <i>RF Technique &amp; Microwave</i>
3	BEEZ 4803	Anatomi & Fisiologi <i>Anatomy &amp; Physiology</i>
4	BEEZ 4813	Pengimejan Perubatan dan Pemprosesan Imej <i>Medical Imaging and Image Processing</i>
5	BEEZ 4923	Fabrikasi Mikroelektronik <i>Microelectronic Fabrication</i>
6	BEEZ 4903	Proses Semikonduktor <i>Semiconductor Process</i>

\* For Elective II & III, students may choose any TWO (2) subjects from the list below:

NO.	CODE	SUBJECT
1	BEET 4813	Komunikasi Mudah Alih <i>Mobile Communication</i>
2	BEET 4833	Kejuruteraan Antena <i>Antenna Engineering</i>
3	BEEZ 4823	Peranti Perubatan dan Peranti Instrumentasi <i>Medical Devices and Instrumentation</i>
4	BEEZ 4853	Etika, Akta, Piawai & Keselamatan Bioperubatan <i>Biomedical Ethics Acts, Standards &amp; Safety</i>
5	BEEZ 4873	Rekabentuk VLSI <i>VLSI Design</i>
6	BEEZ 4883	Rekabentuk IC Digital <i>Digital IC Design</i>

\* For Elective IV, students may choose any ONE (1) subjects from the list below:

NO.	CODE	SUBJECT
1	BEET 4803	Komunikasi Satelit <i>Satellite Communication</i>
2	BEEZ 4863	Sistem Navigasi Radio <i>Radio Navigation System</i>
3	BEEZ 4843	Penyelenggaraan Kejuruteraan Bioperubatan <i>Biomedical Engineering Maintenance</i>
4	BEEZ 4833	Biomekanik <i>Biomechanics</i>
5	BEEZ 4913	Seni Bina VLSI <i>VLSI Architecture</i>
6	BEEZ 4893	Pengujian IC Digital <i>Digital IC Testing</i>

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

CODE	SUBJECT NAME
BIPW 1142	Falsafah Sains dan Teknologi <i>Philosophy of Science and Technology</i>
BIPW 4112	Komunikasi Organisasi <i>Organizational Communication</i>
BIPW 1152	Psikologi Industri dan Organisasi <i>Industrial and Organizational Psychology</i>
BIPW 4122	Kemahiran Perundingan <i>Negotiation Skills</i>
BIPW 2142	Sosiologi Industri <i>Industrial Sociology</i>

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

CODE	CERTIFICATE NAME
BEET 3100	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 3100	Programmable Logic Controller (PLC) Level 1 and Level 2
BEEZ 3100	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	80
University Compulsory	W	18
Industrial Training	K	12
Elective	E	14
		142