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Programme structures and features, curriculum and award requirements

This programme is offered on full-time mode and is based on a two-semester academic session with several subjects being conducted and assessed in each semester. In most cases, assessments are made using a combination of various methods namely course works, final examinations and a final year project.

This programme offers several optional academic activities that would enhance ones' professional character. These may take form in one or combination of the following:

- o A two-credit service learning course
- o Student spends a full semester in selected countries to participate in a study abroad programme (which normally carries a eight-credit equivalent workload).
- o Student spends a two weeks period (or shorter) abroad to participate in the Global Outreach Programme (GOP).

The programme consist of three main capstones namely Teaching Practice, Undergraduate Project and Industrial Training. Each capstone is made of a combination of several corner stones which are to be taken in specific sequence. The details of corner stones courses that together make up each of the capstone are as follows:

Capstones	Corner Stones (Courses)
Teaching Practice	i. Philosophy of Education ii. Psychology of Education iii. Fundamental of Pedagogy iv. Teaching Methods v. Micro-Teaching
Undergraduate Project	i. Measurement & Evaluation in Education ii. Research Methods in Education iii. Mechanical Engineering Courses
Industrial Training	i. Programme Core Courses ii. Programme Elective Courses

Assessment:

Comprises of single component or combination of course work, final examination and a final year project. In most cases, course work would carry no more than 50% of the total assessment mark except for the laboratory, workshop and practical courses at which assessment is fully based on the coursework.

Award Requirements:

A candidate will be awarded with a degree of Bachelor of Technology with Education (Mechanical Engineering) upon successful completion of all courses prescribed in the programme structure within a permitted study duration with a Cumulative Grade Point Average (CGPA) not less than 2.00.

Year 1

Semester 1			Semester 2		
Kod	Kursus	Kredit	Kod	Kursus	Kredit
SPPP 1002	Educational Philosophy	2	SPPP 1012	Educational Psychology	2

SPPP 1022	Teacher Professionalism	2	SPPP 1042	Educational Technology	2
SPPE 1002	Basic Engineering Drawing	2	SPPE 1022	Engineering Drawing 1	2
SPPE 1012	Basic Trade	2	SKEU 1003	Basic of Electrical Engineering	3
SPPE 1033	Workshop Safety and Management	3	SKMU 1212	Statics	2
UHAK 1012	Success Graduate Attributes	2	ULAB 1122	Academic English Skills	2
*UICI 1012/ ** ULAM1xx2	Islamic and Asian Civilisation (Local students)/Malay Language for Communication 2 (International Students)	2	UHAS 1172/ UHAS 1162	Malaysia Dynamic (LS)/Art, Culture and Belief of Malaysian (International Student)	2
SSCM 1803	Engineering Mathematics	3	UICL 2302	Science and Technology Thinking	2
TOTAL		18	TOTAL		17

Year 2

Semester 1			Semester 2		
Kod	Kursus	Kredit	Kod	Kursus	Kredit
SPPP 2002	Fundamental of Pedagogy	2	SPPA2001	Microteaching	1
SPPE 2022	Fundamental of Technical and Vocational Education	2	SPPP 2032	Measuring and Evaluation in Education	2
SPPE 2032	Basic Invention	2	SPPP 2882	Co-curriculum Management, Sport and Games	2
SPPE 2112	Computer Asissted Engineering Drawing	2	SPPE 2012	Teaching Methods in Technical and Vocational Education	2
SPPE 2122	Basic Welding and Metal Fabrication	2	SPPE 2622	Industrial Design	2
SKMU 2112	Mechanic of Solid	2	ULAB 2122	Advanced Academic English Skills	2
SKMU 2712	Basic Production Technology	2	SKMU 2212	Dynamics	2

UHAK 2XX2/UICL 2XX2	Generic Skills Elective/Broaden Knowledge Elective	2	UKQS 2XX2	Co –curriculum Service Learning (Uniform Unit)	2
SPPP1032	Telecommunication & Computer Network	2	UHAK 2xx2/UICL 2xx2	Generic Skills Electives/Enrichment of Knowledge	2
TOTAL		18	TOTAL		17

Year 3

Semester 1			Semester 2		
Kod	Kursus	Kredit	Kod	Kursus	Kredit
SPPP 3042	Research Methods in Education	2	SPPA 3008	Teaching Practise	8
SPPE 3022	Industry and Technical and Vocational Education	2	SPPA 3113*	Industrial Training	3
SPPE 3512	Basic Robotics and Mechatronic	2			
SPPE---2	Elective 1	2			
SPPE ---2	Elective 2	2			
SPPE ---2	Elective 3	2			
SKMU 2412	Thermodynamics	2			
ULAX 1112	Foreign Language	2			
ULAB3162	English For Professional Purposes	2			
UKQE3001	Extracurricular Experiential Learning (ExCEL)	1			
TOTAL		19	TOTAL		11

Year 4

Semester 1			Semester 2		
Kod	Kursus	Kredit	Kod	Kursus	Kredit

SPPP 4062	Educational Sociology	2	SPPP 4043	Teacher Development	3
SPPU 4902	Undergraduate Project I	2	SPPP 4502	Guidance and Counselling	2
SPPL 4403	Invention	3	SPPU 4904	Undergraduate Project II	4
SPPE 4612	Basic Pneumatic and Hydraulics	2	SKMU 2312	Fluid Mechnaics	2
SKMU 3612	Material Science	2	SPPE 4332	Entrepreneurship	2
SKMU 3812	Industrial Engineering	2	SPPE ---2	Elective 4	2
SPPE 4173	Assesment and Measurement Based on Job Competency	3	SPPE ---2	Elective 5	2
TOTAL		16	TOTAL		15

Total Credit = 131
Counted Credit = 131

A. Elective Course (SPPJ)

Ambil 5 mengikut minor = **10 kredit**

	FREE ELECTIVES	CREDIT
SPPE ---2	Elektif 1 (Kimpalan/Pemesinan/Penyejukbekuan dan Penyaman Udara/Automotif)	2
SPPE ---2	Elektif 2 (Kimpalan/Pemesinan/Penyejukbekuan dan Penyaman Udara/Automotif)	2
SPPE ---2	Elektif 3 (Kimpalan/Pemesinan/Penyejukbekuan dan Penyaman Udara/Automotif)	2
SPPE ---2	Elektif 4 (Kimpalan/Pemesinan/Penyejukbekuan dan Penyaman Udara/Automotif)	2
SPPE ---2	Elektif 5 (Kimpalan/Pemesinan/Penyejukbekuan dan Penyaman Udara/Automotif)	2
Minor Kimpalan		
SPPE 2322	Kimpalan TIG	2
SPPE 2342	Kimpalan MIG	2
SPPE 3242	Kimpalan Arka	2
SPPE 4632	Penyelenggaraan Kelengkapan Kimpalan	2
SPPE 2292	Pemeriksaan Kimpalan	2

SPPE 3222	Kimpalan Gas	2
SPPL 2402	Rekabentuk Berbantu Komputer	2
SPPE 1212	Amalan Fabrikasi Logam	2
Minor Pemesinan		
SPPE 1132	Pemesinan Logam – Operasi Larik	2
SPPE 1452	Pemesinan Logam – Operasi Kisar	2
SPPE 2232	Pemesinan CNC	2
SPPL 2402	Rekabentuk Berbantu Komputer	2
SPPE 2142	Pemesinan Logam – Operasi Canai	2
SPPE 4712	Mesin dan Kelengkapan Penyenggaraan	2
SPPE 4732	Penghasilan Jig	2
SPPE 2252	Lukisan Mesin	2
Minor Penyejukbekuan dan Penyaman Udara		
SPPE 1212	Amalan Fabrikasi Logam	2
SPPE 2242	Amalan Penyejukbekuan dan Penyaman Udara Domestik	2
SPPL 2402	Rekabentuk Berbantu Komputer	2
SPPE 3122	Sistem Elektrik dan Elektronik Automotif	2
SPPE 1142	Teknologi Penyejukbekuan dan Penyaman Udara	2
SPPE 3252	Lukisan Geometri Penyejukbekuan dan Penyaman Udara	2
SPPE 2442	Penyaman Udara Industri	2
SPPE 1242	Kelengkapan Servis Penyejukbekuan dan Penyaman Udara	2
Minor Automotif		
SPPL 2402	Rekabentuk Berbantu Komputer	2
SPPE 1332	Automotif 1: Enjin Petrol	2

SPPE 1432	Automotif 2: Enjin Diesel	2
SPPE 2222	Penyenggaraan Motosikal dan Enjin Kecil	2
SPPE 3542	Penyenggaraan Enjin Petrol dan Diesel	2
SPPE 3142	Sistem Elektrik dan Elektronik Automotif	2
SPPE 2432	Sistem Penyejukan Automotif	2
SPPE 3262	Lukisan Geometri untuk Automotif	2

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Programme Structures and Features, Curriculum and Award Requirements

Programme Structure & Features:

This programme is offered on full-time mode and is based on a two-semester academic session with several subjects being conducted and assessed in each semester. In most cases, assessments are made using a combination of various methods namely course works, final examinations and a final year project.

This programme offers several optional academic activities that would enhance ones' professional character. These may take form in one or combination of the following:

- o A two-credit service learning course
- o Student spends a full semester in selected countries to participate in a study abroad programme (which normally carries a eight-credit equivalent workload).
- o Student spends a two weeks period (or shorter) abroad to participate in the Global Outreach Programme (GOP).

The programme consists of three main capstones namely Teaching Practice, Undergraduate Project and Multimedia-Based Project. Each capstone is made of a combination of several corner stones which are to be taken in specific sequence.

Capstones	Corner Stones (Courses)
Teaching Practice	i. Philosophy of Education ii. Psychology of Education iii. Fundamental of Pedagogy iv. Teaching Methods v. Micro-Teaching
Undergraduate Project	i. Measurement & Evaluation in Education ii. Research Methods in Education iii. TESL Education
Multimedia-Based Project	i. Multimedia Software Design ii. Authoring Language iii. Creative Multimedia Technology iv. Programming Elective

Assessment:

Comprises of single component or combination of course work, final examination and a final year project. In most cases, course work would carry no more than 50% of the total assessment mark except for the laboratory, workshop and practical courses at which assessment is fully based on the coursework.

Award Requirements:

A candidate will be awarded with a degree of Bachelor of Science with Education (TESL) upon succesful completion of all courses prescribed in the programme structure within a permitted study duration with a Cumulative Grade Point Average (CGPA) not less than 2.00

Year 1

SEMESTER 1			SEMESTER 2		
CODE	SUBJECT	CREDIT	CODE	SUBJECT	CREDIT

SPPP 1042	Educational Technology	2	SLAJ 1222	Elektif Bahasa Asing(Japanese 2)	2
UHAK 1012	Success Graduate Attributes	2	SPPP 1032	Telecommunication and Computer Network	2
SPPP 1002	Educational Philosophy	2	SPPP 1012	Educational Psychology	2
SLAE 1012	Fundamentals of Grammar	2	SLAE 1023	Structures of English	3
SLAE 1112	Elektif Disiplin (Introduction to Literature)	2	SLAE 1122	Elektif Disiplin (Literary Appreciation)	2
UICI 1012	Islamic and Asian Civilisation	2	SLAE 1212	Elektif Disiplin (Effective Writing Skills/Issues in Literacy)	2
SPPP 1022	Teacher Professionalism	2	ULAB 1122	English for Academic Skills	2
SPPP 1702	Multimedia Design and Human Computer Interaction	2	UHAS 1172/ UHAK1022	Malaysian Dynamics (LC)/Arts, Culture and Belief of Malaysians (IS)	2
ULAJ 1122	Elektif Bahasa Asing (Japanese 1)	2			
TOTAL		18	TOTAL		17

Year 2

SEMESTER 3			SEMESTER 4		
CODE	SUBJECT	CREDIT	CODE	SUBJECT	CREDIT
SPPP 2102	Programming Language	2	SPPP 2333	Authoring Language & Mobile Apps Development	3
SPPP 2002	Fundamental of Pedagogy	2	SPPP 2343	Information Management System & Database Development	3
SLAE 2132	Academic Skills for Teachers of ESL	2	SPPP 2032	Measurement and Evaluation in Education	2
SLAE 2013	Linguistics I	3	SLAE 2042	Linguistics II	2
SLAE 2022	Language Learning Theories	2	SPPP 2882	Co-curriculum Management, Sport and Games	2
SLAE 2032	Methodology in TESL I	2	ULAB 2122	Advanced English for Academic Skills	2
SLAE 2292	Elektif Disiplin : Oral Communication Skills/Interactive Skills For Academic Purposes	2	SLAE 2052	Methodology in TESL II	2

UKQX 2XX2	Elektif Kokurikulum Pembelajaran Servis	2	SLAE 4112	Teaching Macro Skills in TESL	2
UHAK1032	Introduction to Entrepreneurship	2			
TOTAL		19	TOTAL		18

Year 3

SEMESTER 5			SEMESTER 6		
CODE	SUBJECT	CREDIT	CODE	SUBJECT	CREDIT
SPPP 3042	Research Methods in Education	2	SPPA 3008	Teaching Practice	8
SLAE 3112	Sociolinguistics	2			
SLAE 3022	Curriculum Studies in English	2			
SLAE 3012	Computer Assisted Language Learning I	2			
ULAB 3162	English for Professional Skills	2			
SPPP 4502	Guidance and Counseling	2			
SLAE2062	Classroom Observation	2			
SLAE3122	Literature in ELT	2			
SPPA 2001	Micro Teaching	1			
TOTAL		17	TOTAL		8

Year 4

SEMESTER 7	SEMESTER 8
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CODE	SUBJECT	CREDIT	CODE	SUBJECT	CREDIT
UICL 2302	Science and Technology Thinking	2	SLAE 4043	Language Testing and Evaluation	3
SPPP 4062	Educational Sociology	2	SPPP 4712	Teaching Methods in Computer Science	2
SLAE 4012	English for Specific Purposes	2	SPPP 4043	Teacher Development	3
SLAE 4022	Materials Adaptation and Design	2	SPPP 3033	Creative Multimedia Technology	3
SLAE 4032	Discourse Analysis	2	SLAE 4052	Computer Assisted Language Learning II	2
SPPU 4902	Undergraduate Project I	2	SPPU 4904	Undergraduate Project II	4
UICL 2XX2	Elektif Perluasan Ilmu	2	UKQE3001	Extracurricular Experiential Learning (ExCEL)	1
SLAE 3652 / SLAE 4902	Free Elective Cluster 5 (Language Games/ Drama in ELT/Service Learning)	2			
TOTAL		16	TOTAL		18

Total Credit : 131
Counted Credit : 131

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Programme Structures and Features, Curriculum and Award Requirements

This programme is offered on full-time mode and is based on a 2-Semester Academic Session with several subjects being delivered and assessed in each semester. Assessment is based on course works, final examinations and a final year project.

The students can choose to register a Service Learning course no earlier than the sixth semester. They can also choose to participate the study abroad programme during the sixth semester either in Australia or Indonesia. Additionally, they can join the Global Outreach Programme (GOP) to any one selected country.

During the whole programme, three capstones are laid out, which are: Teaching Practice, Undergraduate Project and Industrial Training. In order to achieve the first capstone (Teaching Practice), several cornerstones are placed from the first to the fifth semester. The courses are:

- a. Philosophy of Education
- b. Psychology of Education
- c. Fundamental of Pedagogy
- d. Teaching Methods
- e. Microteaching

For the second capstone (Undergraduate Project), the cornerstones are:

- a. Measurement & Evaluation in Education
- b. Research Methods in Education
- c. Building Construction Courses

As for the last capstone (Industrial Training), the following are the cornerstones laid out:

- a. Programme core courses
- b. Programme elective courses

Assessment: comprises of examinations and course works whereby the percentage of the examinations should not exceed 50%.

Note: Laboratory, workshop and practical courses are assessed 100% by course work .

Award requirements:

A student should:

- Achieve a total of 128 credit hours with minimum CPA of 2.0.
- Pass teaching practice and complete the final year project at year four

Capstones	Corner Stones (Courses)
Teaching Practice	i. Philosophy of Education ii. Psychology of Education iii. Fundamental of Pedagogy iv. Teaching Methods v. Micro-Teaching
Undergraduate Project	i. Measurement & Evaluation in Education ii. Research Methods in Education iii. Building Construction Courses
Industrial Training	i. Programme Construction Courses ii. Programme Elective Courses

Assessment:

Comprises of single component or combination of course work, final examination and a final year project. In most cases, course work would carry no more than 50% of the total assessment mark except for the laboratory, workshop and practical courses at which assessment is fully based on the coursework.

Award Requirements:

A candidate will be awarded with a degree of Bachelor of Technology with Education (Building Construction) upon successful completion of all courses prescribed in the programme structure within a permitted study duration with a Cumulative Grade Point Average (CGPA) not less than 2.00.

SEPTEMBER INTAKE

YEAR 1					
SEMESTER I			SEMESTER II		
Code	Course Name	Credit	Code	Course Name	Credit
*UICI1012/ **ULAM 1012	Islamic and Asia Civilization/ Malay Language for Communication 2	2	*UHAS 1172/ **UHAK 1022	Malaysian Dynamics / Malaysian Studies 3	2
UHAK1012	Success Graduate Attributes	2	ULAB1122	Academic English Skills	2
SPPP1002	Educational Philosophy	2	SPPP1042	Educational Technology	2
SPPP1022	Teacher Professionalism	2	SPPP1012	Educational Psychology	2
SPPE1002	Basic Engineering Drawing	2	SPPE 1102	Woodworking Practices	2
SPPE1012	Basic Trade	2	SPPE 1022	Engineering Drawing 1	2
SPPE1033	Workshop Safety and Management	3	UICL 2302	Science and Technology Thinking	
SSCM1803	Engineering Mathematics	2	SKAA2112	Civil Engineering Materials	2
TOTAL		17	TOTAL		17

*Pelajar tempatan (warganegara); **Pelajar antarabangsa (bukan warganegara)

YEAR 3					
SEMESTER I			SEMESTER II		
Code	Course Name	Credit	Code	Course Name	Credit
ULAB3162	English for Professional Purposes	2	SPPA3008	Teaching Practice	8
ULAX1112	Foreign Language Electives	2			

SPPP3042	Research Methods in Education	2			
SPPE3022	Industry and Technical and Vocational Education	2			
	Elective Discipline Core 4	2			
	Elective Discipline Core 5	2			
	Elective Discipline Core 6	2			
	Elective Discipline Core 7	2			
TOTAL		16	TOTAL		8

SEMESTER III		
Code	Course Name	Credit
SPPA3113	Industrial Training	3
TOTAL		3

YEAR 4					
SEMESTER I			SEMESTER II		
Code	Course Name	Credit	Code	Course Name	Credit
SPPP4062	Educational Sociology	2	SPPP4502	Guidance and Counselling	2
SPPL4403	Invention	3	SPPP4043	Teacher Development	3
SPPE4173	Assessment and Measurement Based on Job Competency	3	SPPU 4904	Undergraduate Project II	4
SPPU4902	Undergraduate Project I	2		Elective Open 2	2
	Elective Discipline Core 8	2		Elective Open 3	2
	Elective Discipline Core 9	2		Elective Open 4	2
	Elective Discipline Core 10	2		Elective Open 5	2
	Elective Open 1	2			

QKQE3001	Extracurricular Experiential Learning (ExCEL)	1		
TOTAL		19	TOTAL	17

Total Credit = 131
Counted Credit = 131

FEBRUARY INTAKE

YEAR 1					
SEMESTER I			SEMESTER II		
Code	Course Name	Credit	Code	Course Name	Credit
*UHAS 1172/ **UHAK 1022	Malaysian Dynamics/ Malaysian Studies 3	2	*UICI1012/ **ULAM 1012	Islamic and Asia Civilization/ Malay Language for Communication 2	2
ULAB1122	Academic English Skills	2	UHAK1012	Success Graduate Attributes	2
SPPP1042	Educational Technology	2	SPPP1002	Educational Philosophy	2
SPPP1012	Educational Psychology	2	SPPP1022	Teacher Professionalism	2
SPPE 1102	Woodworking Practices	2	SPPE1002	Basic Engineering Drawing	2
SPPE 1022	Engineering Drawing 1	2	SPPE1012	Basic Trade	2
SSCE 1693	Engineering Mathematics	3	SPPE1033	Workshop Safety and Management	3
SKAA2112	Civil Engineering Materials	2	SBEC 1512	Introduction to Built Environment	2
TOTAL		17	TOTAL		17

*Pelajar tempatan (warganegara); **Pelajar antarabangsa (bukan warganegara)

YEAR 2					
SEMESTER I			SEMESTER II		
Code	Course Name	Credit	Code	Course Name	Credit
ULAB 2122	Advanced Academic English Skills	2	UICL 2302	Science and Technology Thinking	2

UHAK 1032	Introduction to Entrepreneurship	2	UKQS 2XX2	Co-Curriculum Service Learning (Uniform Unit)	2
SPPP 2002	Fundamental of Pedagogy	2	UHAK 2XX2/ UICL 2XX2	Generic Skills Electives/ Enrichment of Knowledge Electives	2
SPPE2022	Fundamental of Technical and Vocational Education	2	SPPP 2032	Measurement and Evaluation in Education	2
SPPE2032	Basic Invention	2	SPPP 2862	Co-curriculum Management, Sport and Games	2
SPPE2112	Computer Assisted Engineering Drawing	2	SPPE 2012	Teaching Methods in Technical and Vocational Education	2
	Elective Discipline Core 1	3	SKAU 2212	Mechanics of Materials and Structures	2
	Elective Discipline Core 2	2	SPPA 2001	Microteaching	1
				Elective Discipline Core 3	2
TOTAL		17	TOTAL		17

YEAR 3					
SEMESTER I			SEMESTER II		
Code	Course Name	Credit	Code	Course Name	Credit
SPPA3008	Teaching Practice	8	ULAB3162	English for Professional Purposes	2
			ULAX1112	Foreign Language Electives	2
			SPPP3042	Research Methods in Education	2
			SPPE3022	Industry and Technical and Vocational Education	2
				Elective Discipline Core 4	2
				Elective Discipline Core 5	2
				Elective Discipline Core 6	2
				Elective Discipline Core 7	2
TOTAL		8	TOTAL		16

SEMESTER III		
Code	Course Name	Credit
SPPA3113	Industrial Training	3
TOTAL		3

YEAR 4					
SEMESTER I			SEMESTER II		
Code	Course Name	Credit	Code	Course Name	Credit
SPPP4062	Educational Sociology	2	SPPP4502	Guidance and Counselling	2
SPPL4403	Invention	3	SPPP4043	Teacher Development	3
SPPE4173	Assessment and Measurement Based on Job Competency	3	SPPU 4904	Undergraduate Project II	4
SPPU4902	Undergraduate Project I	2		Elective Open 2	2
	Elective Discipline Core 8	2		Elective Open 3	2
	Elective Discipline Core 9	2		Elective Open 4	2
	Elective Discipline Core 10	2		Elective Open 5	2
	Elective Open 1	2			
TOTAL		18	TOTAL		17

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The students can choose to register a Service Learning course no earlier than the sixth semester. They can also choose to participate the study abroad programme during the sixth semester either in Australia or Indonesia. Additionally, they can join the Global Outreach Programme (GOP) to any one selected country.

During the whole programme, three capstones are laid out, which are: Teaching Practice, Undergraduate Project and Industrial Training. In order to achieve the first capstone (Teaching Practice), several cornerstones are placed from the first to the fifth semester. The courses are:

- a. Philosophy of Education
- b. Psychology of Education
- c. Fundamental of Pedagogy
- d. Teaching Methods
- e. Microteaching

For the second capstone (Undergraduate Project), the cornerstones are:

- a. Measurement & Evaluation in Education
- b. Research Methods in Education
- c. Electrical & Electronic Courses

As for the last capstone (Industrial Training), the following are the cornerstones laid out:

- a. Programme core courses
- b. Programme elective courses

Assessment: comprises of examinations and course works whereby the percentage of the examinations should not exceed 50%.

Note: Laboratory, workshop and practical courses are assessed 100% by course work.

Award requirements:

A student should:

- Achieve a total of 128 credit hours with minimum CPA of 2.0.
- Pass teaching practice and complete the final year project at year four.

Capstones	Corner Stones (Courses)
Teaching Practice	i. Philosophy of Education ii. Psychology of Education iii. Fundamental of Pedagogy iv. Teaching Methods v. Micro-Teaching
Undergraduate Project	i. Measurement & Evaluation in Education ii. Research Methods in Education iii. Electrical & Electronic Courses
Industrial Training	i. Programme Construction Courses ii. Programme Elective Courses

Assessment:

Comprises of single component or combination of course work, final examination and a final year project. In most cases, course work would carry not more than 50% of the total assessment mark except for the laboratory, workshop and practical courses at which assessment is fully based on the coursework.

Award Requirements:

A candidate will be awarded with a degree of Bachelor of Technology with Education (Electric & Electronic) upon successful completion of all courses prescribed in the programme structure within a permitted study duration with a Cumulative Grade Point Average (CGPA) not less than 2.00.

Year 1

SEMESTER 1			SEMESTER 2		
KOD	KURSUS	KREDIT	KOD	KURSUS	KREDIT
SPPP 1002	Educational Philosophy	2	SPPP1012	Educational Psychology	2
SPPP 1022	Teacher Professionalism	2	SPPP 1042	Educational Technology	2
SPPE 1002	Basic Engineering Drawing	2	SPPE 1022	Engineering Drawing 1	2
SPPE 1012	Basic Trade	2	SKEU1003	Basic of Electrical Engineering	3
SPPE 1033	Workshop Safety and Management	3	SPPE 1332	Basic Technology Electronic	2
UHAK 1012	Success Graduate Attributes	2	ULAB 1122	Academic English Skills	2
UICI 1012	Islamic and Asian Civilization	2	UHAS 1172/UHAS1162	Malaysia Dynamics (LS)/ Art, Culture and Belief of Malaysian (International Student)	2
SSCM1803	Engineering Mathematics	3	UICL 2302	Science and Technology Thinking	2
TOTAL		18	TOTAL		17

YEAR 2

SEMESTER 1			SEMESTER 2		
KOD	KURSUS	KREDIT	KOD	KURSUS	KREDIT
SPPP 2002	Fundamental of Pedagogy	2	SPPP 1032	Telecommunication and Computer Network	2

SPPE 2022	Fundamental of Technical and Vocational Education	2		SPPP 2032	Measuring and Evaluation in Education	2
SPPE 2032	Basic Invention	2		SPPP 2882	Co-curriculum Management, Sport and Games	2
SPPE 2112	Computer Asissted Engineering Drawing	2		SPPE 2012	Teaching Methods in TVE	2
SPPE 2202	Domestic Wiring Practice	2		SPPE 2---2	Elective 1	2
SPPE 2352	Programmable Logic Controller Lab	2		ULAB 2122	Advanced Academic English Skills	2
SPPE 3242	Geometric Electric and Electronic Drawing	2		SKEU2033	Circuit Theory	3
SKEU1212	Logic Digit	2		UKQS 2--2	Co-curriculum Service Learning (Uniform Unit)	2
UHAK 2---2/ UICL 2XX2	Generic Skills Elective/Broaden Knowledge Elective	2				
TOTAL		18		TOTAL		17

YEAR 3

SEMESTER 1			SEMESTER 2		
KOD	KURSUS	KREDIT	KOD	KURSUS	KREDIT
SPPP 3042	Research Methods in Education	2	SPPA 3008	Teaching Practice	8
SPPE 3022	Industry and TVE	2	SPPA 3113*	Industrial Training (HW)	3
SPPE 2302	Application of Electrical and Electronic Technology	2			
SPPA 2001	Microteaching	1			
SPPE 3—2	Elective 2	2			
SPPE 4---2	Elective 3	2			
SKEU 2123	Measurement and Instrumentation	3			

ULAX 1122	Foreign Language	2			
TOTAL		16		TOTAL	11

YEAR 4

SEMESTER 1			SEMESTER 2		
KOD	KURSUS	KREDIT	KOD	KURSUS	KREDIT
SPPP 4062	Educational Sociology	2	SPPP 2043	Teacher Development	3
SPPU4902	Undergraduate Project I	2	SPPP 4502	Guidance and Counselling	2
SPPL 4403	Invention	3	SPPU 4904	Undergraduate Project II	4
SPPE 3512	Basic Robotic and Mechatronic	2	SPPE 4332	Entrepreneurship	2
SPPE---2	Elective 4	2	SPPE ---2	Elective 5	2
SKEU3003	Electronic	3	SKEU 3053	Electrical Technology	3
SPPE 4173	Assessment and Measurement Based on Job Competencies	3	ULAB 3162	English for Professional Purposes	2
UKQE3001	Extracurricular Experiential Learning (ExCEL)	1			
TOTAL		18	TOTAL		18

Total Credit =132
Counted Credit =132

A. Kursus Elektif (SPPR)

Ambil satu daripada setiap kumpulan = **10 kredit**

ELEKTIF -ELEKTRIK		Kredit
SPPE 2422	Industrial Wiring Practices (E1)	2
SPPE 2532	Advanced of Industrial Wiring Practices (E2)	2

SPPE 3272	Electric Motor Control (E3)	2
SPPE 4212	Electrical Maintenance and Repairs (E4)	2
SPPE 4112	Switchboard Industrial Installation & High Voltage (E5)	2

ELEKTIF - ELEKTRONIK		Kredit
SPPE 2282	Assembly Language for Microcontroller (E1)	2
SPPE 3082	Electronic Circuit Design (E2)	2
SPPE 4702	Maintenance Repair of Radio And TV (E3)	2
SPPE 4612	Basic of Pneumatic and Hydraulic (E4)	2
SPPE 4512	Communication Technology Lab (E5)	2

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Programme structures and features, curriculum and award requirements

Programme Structure & Features:

This programme is offered on full-time mode and is based on a two-semester academic session with several subjects being conducted and assessed in each semester. In most cases, assessments are made using a combination of various methods namely course works, final examinations and a final year project.

This programme offers several optional academic activities that would enhance ones' professional character. These may take form in one or combination of the following:

- A two-credit service learning course
- Student spends a full semester in selected countries to participate in a study abroad programme (which normally carries a eight-credit equivalent workload).
- Student spends a two weeks period (or shorter) abroad to participate in the Global Outreach Programme (GOP).

The programme consists of three main capstones namely Teaching Practice, Undergraduate Project and Multimedia-Based Project. Each capstone is made of a combination of several corner stones which are to be taken in specific sequence.

Capstones	Corner Stones (Courses)
Teaching Practice	i. Philosophy of Education ii. Psychology of Education iii. Fundamental of Pedagogy iv. Teaching Methods v. Micro-Teaching
Undergraduate Project	i. Measurement & Evaluation in Education ii. Research Methods in Education iii. Sport Science Education
Multimedia-Based Project	i. Computer System Multimedia ii. Authoring Language iii. Multimedia Software Design iv. Multimedia Software Development

Assessment:

Comprises of single component or combination of course work, final examination and a final year project. In most cases, course work would carry no more than 50% of the total assessment mark except for the laboratory, workshop and practical courses at which assessment is fully based on the coursework.

Award Requirements:

A candidate will be awarded with a degree of Bachelor of Science with Education (Sports Science) upon succesful completion of all courses prescribed in the programme structure within a permitted study duration with a Cumulative Grade Point Average (CGPA) not less than 2.00

September Intake

YEAR 1					
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SEMESTER 1			SEMESTER 2		
CODE	SUBJECT	CREDIT	CODE	SUBJECT	CREDIT
SPPP 1042	Educational Technology	2	SPPP 1032	Telecommunication and Computer Network	2
SPPP 1002	Education Philosophy	2	SPPP 1012	Psychology of Education	2
SPPP 1022	Teacher Professionalism	2	SPPR 1822	Motor Learning	2
SPPR 1852	Human Anatomy	2	SPPR 1962	Aquatic Sports	2
SPPR 1922	Athletics	2	SPPR 1952	Physical Fitness and Wellness	2
SPPR 1832	Outdoor Education	2	SPPR 1842	Leisure and Environmental Awareness	2
UICI 1012	Islamic and Asian Civilization	2	SPPP 2882	Co-curriculum Management, Sport and Games	2
UHAK 1012	Success Graduate Attributes	2	ULAX 1122	Foreign Language	2
UHAS 1172/ UHAS 1162	Malaysia Dynamic (Local Student)/ Art, Culture and Belief of Malaysian (International Student)	2	ULAB 1122	Academic English Skills	2
TOTAL		18	TOTAL		18
YEAR 2					
SEMESTER 1			Semester 2		
CODE	SUBJECT	CREDIT	CODE	SUBJECT	CREDIT
SPPP 1702	Multimedia Design and Human Computer Interaction	2	SPPP 2333	Authoring Language and Mobile Apps Development	3
SPPP 2102	Programming Language	2	SPPP 2032	Measurement and Evaluation in Education	2
SPPP 2002	Fundamental of Pedagogy	2	SPPR 2872	Adapted Sports Education	2
UKQS 2—2	Co-curriculum Service Learning (Uniform Unit)	2	SPPR 2942	Team Sports	2
SPPR 2813	Exercise Physiology	3	SPPR 2803	Teaching Method in Physical Education and Sports Science	3
SPPR 2922	Strength and Physical Conditioning	2	SPPR 2842	Sport Coaching and Training Method	2

UHAK 1032	Introduction to Entrepreneurship	2	ULAB 2122	Advanced Academic English Skills	2
UICL 2302	Science and Technology Thinking	2	UHAK 2---2/ UICL 2XX2	Generic Skills Elective/Broaden Knowledge Elective	2
TOTAL		17	TOTAL		18

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YEAR 3					
SEMESTER 1			Semester 2		
CODE	SUBJECT	CREDIT	CODE	SUBJECT	CREDIT
SPPP 2343	Information Management System and Database Development	3	SPPA 3008	Teaching Practice	8
SPPP 3042	Research Methods in Education	2	TOTAL		8
SPPR 3912	Racket Sports	2			
SPPR 3822	Measurement and Evaluation in Sports	2			
SPPR 3802	Sport Injury	2			
SPPR 3813	Sport Biomechanics	3	Short Semester		
ULAB 3162	English for Professional Purposes	2	SPPA 3113*	Industrial Training	3
SPPA 2001	Microteaching	1			
TOTAL		17	TOTAL		3

YEAR 4					
SEMESTER 1			Semester 2		

CODE	SUBJECT	CREDIT	CODE	SUBJECT	CREDIT
SPPP 3303	Creative Multimedia Technology	3	SPPP 4502	Guidance and Counselling	2
SPPP 4062	Educational Sociology	2	SPPP 4043	Teacher Development (BIG)	3
SPPU 4902	Undergraduate Project I	2	SPPU 4904	Undergraduate Project II	4
SPPR 4942	Service Learning (Sport Science and Physical Education)	2	SPPP 4712	Teaching Methods in Computer Science	2
SPPR 4852	Sport Innovation	2	SPPR 4812	Sport Sociology	2
SPPR 4952	Gymnastics and Creative Movement	2	SPPR 4962	Striking, Fielding and Target Sports	2
SPPR 4832	Sport Psychology	2	SPPR 2--2	Sport Science Elective	2
SPPR 4882	Sport Nutrition	2	UKQE3001	Extracurricular Experiential Learning (ExCEL)	1
TOTAL		17	TOTAL		18
Total Credit		134			
Counted Credit		131			
*offer in short semester					
Sport Science Elective (Choose 1 only)					
SPPR 2952	Sport and Athletics Management	2			
SPPR 2962	Sport Facilities Safety	2			
SPPR 2972	Sport Entrepreneurship	2			
SPPR 2982	Sport Development	2			
SPPR 4802	Sport Seminar	2			
	Credit	2			

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