

**BACHELOR OF TECHNOLOGY WITH EDUCATION (ELECTRICAL AND  
ELECTRONICS ENGINEERING) WITH HONOURS  
PROGRAMME STRUCTURE (SHPEH)  
INTAKE 2022/2023**

**September Intake**

**YEAR 1**

**Semester 1**

SHPP1012	Educational Psychology	2
SHPP1032	Telecommunication and Computer Network	2
SHPE1013	Engineering Drawing	3
SHPE1033	Workshop Safety and Management	3
SSCM1803	Engineering Mathematics	3
ULRS1022	Philosophy and Current Issues	2
ULRS1182	Appreciation of Ethics and Civilization	2
TOTAL		17

**Semester 2**

SHPP1002	Educational Philosophy	2
SHPP1042	Educational Technology	2
SHPP1022	Teacher Professionalism	2
SHPE1332	Basic Technology Electronics	2
SEEU1003	Basic of Electrical Engineering	3
ULRS1012	Value and Identity	2
UHLB1112 (MUET 1-3)	English Communication Skills	2 (HL)
1XX3	Free Elective	3
TOTAL		16

**YEAR 2**

**Semester 1**

SHPP2002	Fundamental of Pedagogy	2
SHPE2022	Fundamental of TVE	2
SHPE2112	Computer Assisted Engineering Drawing	2
SEEU2123	Measurement and Instrumentation	3
SHPEXXX2	Program Elective Course	2
SHPEXXX2	Program Elective Course	2
SHPEXXX2	Program Elective Course	2
SHPEXXX2	Program Elective Course	2
UHLB2122	Professional Communication Skills 1	2
TOTAL		17

**Semester 2**

SHPP2032	Measurement and Evaluation in Education	2
SHPP2882	Co-curriculum Management, Sport and Games	2
SHPE2012	Teaching Methods in TVE	2
SHPEXXX3	Program Elective Course	3
SHPEXXX2	Open Elective Course	2
SHPEXXX2	Open Elective Course	2
ULRF 2XX2	Co-Curriculum Service learning Elective (CCSL)	2
TOTAL		15

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**YEAR 3**

**Semester 1**

SHPP3042	Research Methods in Education	2
SHPP4722	Online Learning and Teaching Techniques	2
SHPA2001	Microteaching	1
SHPE3022	Industry and TVE	2
SHPEXXX3	Program Elective Course	3
UHLB3132	Professional Communication Skills 2	2
ULRS3032	Entrepreneurship & Innovation	2
UHLX1112	Foreign Language Electives	2
TOTAL		16

**Semester 2**

SHPA3008	Teaching Practice	8
TOTAL		8

**Short Semester**

SHPA3113	Industrial Training	3 (HL)
TOTAL		3

**YEAR 4**

**Semester 1**

SHPP4062	Educational Sociology	2
SHPU4902	Undergraduate Project I	2
SHPP4502	Guidance and Counselling	2
SHPL4403	Invention	3
SHPE4173	Assessment and Measurement Based on Job Competencies	3
SHPEXXX2	Program Elective Course	2
SHPEXXX2	Program Elective Course	2
SHPEXXX2	Open Elective Course	2
TOTAL		18

**Semester 2**

SHPP4043	Teacher Development (BIG)	3
SHPU4904	Undergraduate Project II	4
SHPEXXX2	Program Elective Course	2
SHPEXXX3	Program Elective Course	3
SHPEXXX2	Open Elective Course	2
SHPEXXX2	Open Elective Course	2
TOTAL		16

**Total Credit** 126  
**Counted Credit** 123