

**BACHELOR OF TECHNOLOGY WITH EDUCATION (CIVIL ENGINEERING)**  
**WITH HONOURS**  
**PROGRAMME STRUCTURE (SHPAH)**  
**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
SHPE1102	Woodworking Practices	2
SHPE1352	Introduction to Civil Engineering and Construction	2
ULRS1012	Value and Identity	2
UHLB1112 (MUET 1-3)	English Communication Skills	2 (HL)
1XX3	Free Elective	3
TOTAL		15

**YEAR 2**

**Semester 1**

SHPP2002	Fundamental of Pedagogy	2
SHPE2022	Fundamental of TVE	2
SHPE2112	Computer Assisted Engineering Drawing	2
SHPE3032	Building Drawing	2
SHPE2212	Brickworks and Finishing	2
SHPQ2032	Water Treatment	2
SHPQ2022	Mechanics of Materials and Structures	2
SHPQ2012	Engineering Survey	2
UHLB2122	Professional Communication Skills 1	2
TOTAL		18

**Semester 2**

SHPP2032	Measurement and Evaluation in Education	2
SHPP2882	Co-curriculum Management, Sport and Games	2
SHPE2012	Teaching Methods in TVE	2
SHPE1322	Building Materials and Cost Estimation	2
SHPE2622	Industrial Design	2
SHPE3102	Domestic Plumbing	2
ULRF2XX2	Co-Curriculum Service Learning Elective (CCSL)	2
TOTAL		14

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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
SHPQ3012	Civil Engineering Lab	2
SBEC3113	Construction Plant and Temporary Works	3
UHLB3132	Professional Communication Skills 2	2
ULRS3032	Entrepreneurship & Innovation	2
UHLX1112	Foreign Language Electives	2
<b>TOTAL</b>		<b>18</b>

**Semester 2**

SHPA3008	Teaching Practice	8
<b>TOTAL</b>		<b>8</b>

**Short Semester**

SHPA3113	Industrial Training	3 (HL)
<b>TOTAL</b>		<b>3</b>

**YEAR 4**

**Semester 1**

SHPP4062	Educational Sociology	2
SHPU4902	Undergraduate Project I	2
SHPL4403	Invention	3
SHPE4173	Assessment and Measurement Based on Job Competencies	3
SHPQ4013	Construction Technology, Contract & Estimation	3
SHPQ4032	Theory of Structures	2
SBEC4182	Sustainable Construction	2
<b>TOTAL</b>		<b>17</b>

**Semester 2**

SHPP4502	Guidance and Counselling	2
SHPP4043	Teacher Development (BIG)	3
SHPU4904	Undergraduate Project II	4
SHPQ4042	Reinforced Concrete Design	2
SHPQ4052	Basic Principles of Traffic and Highway	2
SBEC3613	Construction Site Management	3
SBEC3622	Construction Safety	2
<b>TOTAL</b>		<b>18</b>

**Total Credit** 128  
**Counted Credit** 125