

## Bachelor of Technology with Education ( Civil Engineering ) with Honours

### YEAR 1

#### Semester 1

|              |   |           |
|--------------|---|-----------|
| ULRS1182     | Appreciation of Ethics and Civilizations    | 2         |
| SHPP1032     | Telecommunications and Computer Network     | 2         |
| SHPP1012     | Psychology of Education                     | 2         |
| UHLB1112     | English Communication Skills *MUET Band 1-3 | HL        |
| SHPE1013     | Engineering Drawing                         | 3         |
| SHPE1033     | Workshop Safety and Management              | 3         |
| SSCM1803     | Engineering Mathematics                     | 3         |
|              |   |           |
| <b>TOTAL</b> |   | <b>18</b> |

#### Semester 2

|              |  |           |
|--------------|--|-----------|
| ULRS1032     | Integrity and Anti-Corruption Course               | 2         |
| SXXXXXX3     | Free Elective                                      | 3         |
| SHPP1002     | Educational Philosophy                             | 2         |
| SHPP 1022    | Teacher Professionalism                            | 2         |
| SHPP1042     | Educational Technology                             | 2         |
| SHPP2022     | Fundamental of Pedagogy                            | 2         |
| SHPE1102     | Woodworking Practices                              | 2         |
| SHPE1352     | Introduction to Civil Engineering and Construction | 2         |
|              |  |           |
| <b>TOTAL</b> |  | <b>17</b> |

### YEAR 2

#### Semester 1

|              |  |           |
|--------------|--|-----------|
| ULRS1022     | Philosophy and Current Issues          | 2         |
| UHLB2122     | Professional Communication Skills 1    | 2         |
| SHPE2022     | Fundamental of TVE                     | 2         |
| SHPE2112     | Computer Assisted Engineering Drawing  | 2         |
| SHPQ2022     | Mechanics of Materials and Structures  | 2         |
| SHPQ2012     | Engineering Survey                     | 2         |
| SHPE1322     | Building Materials and Cost Estimation | 2         |
| SHPE2312     | Brickwork and Finishing                | 2         |
|              |  |           |
| <b>TOTAL</b> |  | <b>16</b> |

#### Semester 2

|              |  |           |
|--------------|--|-----------|
| ULRF2XX2     | Service Learning and Community Engagement Course | 2         |
| SHPP2032     | Educational Measurement and Evaluation           | 2         |
| SHPP2882     | Co-curriculum Management, Sport and Games        | 2         |
| SHPE2012     | Teaching Methods in TVE                          | 2         |
| SHPE2622     | Industrial Design                                | 2         |
| SHPQ2032     | Water Treatment                                  | 2         |
| SHPE3102     | Domestic Plumbing                                | 2         |
| SHPE3032     | Building Drawing                                 | 2         |
| SBEC2742     | Construction Safety                              | 2         |
|              |  |           |
| <b>TOTAL</b> |  | <b>18</b> |

**YEAR 3**  
**Semester 1**

|              |   |           |
|--------------|---|-----------|
| UHLX1112     | Foreign Language Electives              | 2         |
| UHLB3132     | Professional Communication Skills 2     | 2         |
| ULRS3032     | Entrepreneurship and Innovation         | 2         |
| SHPP3042     | Research Methodology in Education       | 2         |
| SHPP4722     | Online Learning and Teaching Techniques | 2         |
| SHPA2001     | Micro Teaching                          | 1         |
| SHPE3022     | Industry and TVE                        | 2         |
| SEAA2012     | Civil Engineering Lab                   | 2         |
| SBEC4643     | Construction Plant and Temporary Works  | 3         |
| <b>TOTAL</b> |   | <b>18</b> |

**Semester 2**

|                   |                     |          |
|-------------------|---------------------|----------|
| SHPA3008          | Teaching Training   | 8        |
| <b>TOTAL</b>      |                     | <b>8</b> |
| <b>Semester 3</b> |                     |          |
| SHPA3113          | Industrial Training | 3        |
| <b>TOTAL</b>      |                     | <b>3</b> |
|                   |                     |          |
|                   |                     |          |
|                   |                     |          |
|                   |                     |          |

**YEAR 4**  
**Semester 1**

|              |  |           |
|--------------|--|-----------|
| SHPP4062     | Sociology of Education                             | 2         |
| SHPP4502     | Guidance and Counselling                           | 2         |
| SHPU4902     | Undergraduate Project I                            | 2         |
| SHPL4403     | Invention  | 3         |
| SHPE4173     | Assessment and Measurement Based on Job Competency | 3         |
| SHPQ4013     | Construction Technology, Contract, and Estimation  | 3         |
| SHPQ4032     | Theory of Structures                               | 2         |
| <b>TOTAL</b> |  | <b>17</b> |

**Semester 2**

|              |   |           |
|--------------|---|-----------|
| SHPP4043     | Teacher Development (BIG)               | 3         |
| SBEC4182     | Sustainable Construction                | 2         |
| SHPU4904     | Undergraduate Project II                | 4         |
| SHPQ4042     | Reinforced Concrete Design              | 2         |
| SHPQ4052     | Basic Principles of Traffic and Highway | 2         |
| SBEC4763     | Construction Site Management            | 3         |
| <b>TOTAL</b> |   | <b>16</b> |

**Total Credit 130**  
**Counted Credit 128**