

# SCHEME OF STUDIES BATCH - III

## BACHELOR OF ELECTRICAL ENGINEERING TECHNOLOGY Offered (2018) Semester

| Course Code           | Course Title                                  | Credit Hours |           |
|-----------------------|---|--------------|-----------|
|                       |   | Theory       | Practical |
| <b>Semester – I</b>   |   |              |           |
| EH-112                | Islamic Studies / Professional Ethics         | 2            | 0         |
| ES-113                | Applied Mathematics-I                         | 3            | 0         |
| ES-123                | Applied Physics                               | 2            | 1         |
| ET-113                | Linear Circuits Analysis                      | 2            | 1         |
| ET-123                | Engineering Drawing                           | 1            | 2         |
| ES-133                | Introduction to Computer Fundamentals         | 1            | 2         |
| <b>Sub-tot</b>        |   | <b>11</b>    | <b>6</b>  |
| <b>Total</b>          |   | <b>17</b>    |           |
| <b>Semester – II</b>  |   |              |           |
| EH-123                | Communication Skills                          | 3            | 0         |
| EH-132                | Pakistan Studies                              | 2            | 0         |
| ES-143                | Applied Mathematics-II                        | 3            | 0         |
| ET-134                | Electronics                                   | 2            | 2         |
| ET-143                | Basic Mechanical Technology                   | 2            | 1         |
| ET-153                | Electrical Machines-I                         | 2            | 1         |
| <b>Sub-tot</b>        |   | <b>14</b>    | <b>4</b>  |
| <b>Total</b>          |   | <b>18</b>    |           |
| <b>Semester – III</b> |   |              |           |
| ET-212                | Power Generation Systems                      | 2            | 0         |
| ET-244                | Digital Electronics                           | 2            | 2         |
| ET-224                | Electrical Instruments and Measurements       | 2            | 2         |
| ET-234                | Electrical Machines - II                      | 2            | 2         |
| EH-213                | Technical Report Writing                      | 3            | 0         |
| <b>Sub-tot</b>        |   | <b>11</b>    | <b>6</b>  |
| <b>Total</b>          |   | <b>17</b>    |           |
| <b>Semester – IV</b>  |   |              |           |
| ET-294                | Power Electronics                             | 2            | 2         |
| ET-254                | AC Circuits Analysis                          | 2            | 2         |
| ET-262                | Electro-Magnetic Fields                       | 2            | 0         |
| ET-273                | Electrical Power Transmission                 | 2            | 1         |
| ET-283                | Electrical Power Distribution and Utilization | 2            | 1         |
| <b>Sub-tot</b>        |   | <b>10</b>    | <b>6</b>  |
| <b>Total</b>          |   | <b>16</b>    |           |
| <b>Semester – V</b>   |   |              |           |
| ET-313                | Micro-Processor Theory & Interfacing          | 2            | 1         |
| ET-323                | Switch Gear & Protective Devices              | 2            | 1         |
| ET-334                | Data & Computer Communication                 | 2            | 2         |

|                             |   |            |           |
|-----------------------------|---|------------|-----------|
| ET-343                      | Control Technology                            | 2          | 1         |
| ET-353                      | Signals & Systems                             | 2          | 1         |
| EM-312                      | Total Quality Management                      | 2          | 0         |
| <b>Sub-tot</b>              |   | <b>12</b>  | <b>6</b>  |
| <b>Total</b>                |   | <b>18</b>  |           |
| <b>Semester – VI</b>        |   |            |           |
| EM-323                      | Project Management                            | 3          | 0         |
| ET-362                      | Power System Analysis                         | 2          | 0         |
| ET-374                      | Communication Technology                      | 2          | 2         |
| ET-384                      | Industrial Drives & PLC                       | 2          | 2         |
| ET-393                      | Project                                       | 0          | 3         |
| <b>Sub-tot</b>              |   | <b>9</b>   | <b>7</b>  |
| <b>Total</b>                |   | <b>16</b>  |           |
| <b>Semester – VI Summer</b> |   |            |           |
| ET-3103                     | Project (Continue)                            | 0          | 3         |
| <b>Sub-tot</b>              |   | <b>0</b>   | <b>3</b>  |
| <b>Total</b>                |   | <b>3</b>   |           |
| <b>Semester – VII</b>       |   |            |           |
| ET-4116                     | 16 Weeks Supervised Industrial/Field Training | 0          | 16        |
| <b>Sub-tot</b>              |   | <b>0</b>   | <b>16</b> |
| <b>Total</b>                |   | <b>16</b>  |           |
| <b>Semester – VIII</b>      |   |            |           |
| ET-4216                     | 16 Weeks Supervised Industrial/Field Training | 0          | 16        |
| <b>Sub-tot</b>              |   | <b>0</b>   | <b>16</b> |
| <b>Total</b>                |   | <b>16</b>  |           |
| <b>Grand Total</b>          |   | <b>137</b> |           |