

**First Year 1<sup>st</sup> Semester**

SL No.	Course Code	Course Title	Credits
1	EEE 1101	Electrical Circuits I	3.0
2	EEE 1102L	Electrical Circuits I Lab	1.5
3	PHY 1103	Physics I-Electricity and Magnetism	3.0
4	PHY 1104L	Physics I Lab	1.5
5	CEE 1105	Mechanical Engineering Fundamentals	3.0
6	MAT 1106	Differential and Integral Calculus	3.0
7	EEE 1107	Engineering Drawing	1.5
8	ENG 1108	English for Technical Communication	3.0
<b>Sub Total</b>			<b>19.5</b>

**First Year 2<sup>nd</sup> Semester**

SL No.	Course Code	Course Title	Credits
1	EEE 1201	Electrical Circuits II	3.0
2	EEE 1202L	Electrical Circuits II Lab	1.5
3	PHY 1203	Physics II-Optics, Modern Physics, Wave and Oscillation	3.0
4	PHY 1204L	Physics II Lab	1.5
5	CSE 1205	Structured Programming Language	3.0
6	CSE 1206L	Structured Programming Language Lab	1.5
7	MAT 1207	Ordinary & Partial Differential Equations	3.0
8	HUM 1208	Developing English Language Skill Lab	1.5
9	EEE 1209	Viva	1.0
<b>Sub Total</b>			<b>19.0</b>

**Second Year 1<sup>st</sup> Semester**

SL No.	Course Code	Course Title	Credits
1	EEE 2101	Electronic Circuits I	3.0
2	EEE 2102	Electrical Machine I	3.0
3	CHE 2103	Chemistry	3.0
4	CHE 2103L	Chemistry Lab	1.5
5	MAT 2105	Linear Algebra and Complex Variables	3.0
6	MAT 2106	Coordinate Geometry and Vector Analysis	3.0
7	HUM 2107	History of Emergence of Bangladesh	3.0
<b>Sub Total</b>			<b>19.5</b>

**Second Year 2<sup>nd</sup> Semester**

SL No.	Course Code	Course Title	Credits
1	EEE 2201	Electronic Circuits II	3.0
2	EEE 2201L	Electronic Circuits II Lab	1.5
3	EEE 2203	Electrical Machine II	3.0
4	EEE 2203L	Electrical Machine II Lab	1.5
5	EEE 2205	Signal and Linear System Analysis	3.0
6	MAT 2206	Statistics and Probability	3.0
7	HUM 2207	Engineering Professional Ethics	3.0
8	EEE 2208	Viva	1.0
<b>Sub Total</b>			<b>19.0</b>

**Third Year 1<sup>st</sup> Semester**

SL No.	Course Code	Course Title	Credits
1	EEE 3101	Communication Theory I	3.0
2	EEE 3101L	Communication Theory Lab	1.5
3	EEE 3103	Electrical Services Design Lab	1.5
4	EEE 3104	Digital Electronics	3.0
5	EEE 3104L	Digital Electronics Lab	1.5
6	EEE 3106	Electromagnetic Fields and Waves	3.0
7	MAT 3107	Numerical Analysis	3.0
8	ACT 3108	Financial and Managerial Accounting	3.0
<b>Sub Total</b>			<b>19.5</b>

**Third Year 2<sup>nd</sup> Semester**

SL No.	Course Code	Course Title	Credits
1	EEE 3201	Power System I	3.0
2	EEE 3202	Industrial and Power Electronics	3.0
3	EEE 3203L	Industrial and Power Electronics Lab	1.5
4	EEE 3204	Microprocessor and Interfacing	3.0
5	EEE 3205L	Microprocessor and Interfacing Lab	1.5
6	EEE 3206	Digital Signal Processing	3.0
7	EEE 3207L	Digital Signal Processing Lab	1.5
8	EEE 3208	Industrial and Operation Management	3.0
09	EEE 3209	Viva	1.0
<b>Sub Total</b>			<b>20.5</b>



Course List: B.Sc. in EEE

**Fourth Year 1<sup>st</sup> Semester**

SL No.	Course Code	Course Title	Credits
1	EEE 4101	Capstone Design Project	2.0
2	EEE 4102	Communication Theory II	3.0
3	EEE 4103	Power System II	3.0
4	EEE 4104L	Power System II Lab	1.5
5	EEE 4105	Control Systems	3.0
6	EEE 4106L	Control Systems Lab	1.5
7	EEE 4107	Solid State Devices	3.0
8	EEE 41**	Elective I	3.0
<b>Sub Total</b>			<b>20.0</b>

**Fourth Year 2<sup>nd</sup> Semester**

SL No.	Course Code	Course Title	Credits
1	EEE 4201	Project/Thesis	3.0
2	EEE 4202	Switchgear and Protection	3.0
3	EEE 4203L	Switchgear and Protection Lab	1.5
4	EEE 42**	Elective II	3.0
5	EEE 42**L	Elective II Lab	1.5
6	EEE 43**	Elective III	3.0
7	EEE 43**	Elective IV	3.0
8	EEE 4208	Viva	1.0
<b>Sub Total</b>			<b>19.0</b>

**Total Credits: 156.0**