

**Southern University Bangladesh**  
**Department of Electrical and Electronic Engineering (EEE)**  
**Bachelor in Electrical and Electronic Engineering (Morning)**  
**Offer list for Fall- 2022**

**First Semester (1EE)**

Mentor: Rubel Kanti Das

<b>Course Code</b>	<b>Course Title</b>	<b>Credit</b>
ENG 0231135	English	3
PHY 0533171	Physics	3
PHY 0533172	Physics Lab	1
MATH 0541163	Calculus and Matrices	3
EEE 0713111	Electrical Circuits-I	3
EEE 0713112	Electrical Circuits and Simulation Lab -I	1.5
ICT 0613153	Computer Programming and Numerical Analysis	3
ICT 0613154	Computer Programming and Numerical Analysis Lab	1.5
<b>Semester Total</b>		<b>19</b>

**Second Semester (2EE)**

Mentor: Md. Tarikul Islam

<b>Course Code</b>	<b>Course Title</b>	<b>Credit</b>
ME 0715161	Mechanical Engineering Fundamentals	3
ME 0715162	Mechanical Engineering Fundamentals Lab	0.75
MATH 0541165	Differential Equations, Laplace and Fourier Transformation	3
EEE 0713113	Electrical Circuits II	3
EEE 0713114	Electrical Circuits and Simulation Lab -II	1.5
CHEM 0531125	Chemistry	3
CHEM 0531126	Chemistry Lab	1
ACC 0411101	Financial and Managerial Accounting	3
<b>Semester Total</b>		<b>18.25</b>

### Third Semester (3EE)

Mentor: Md. Tarikul Islam

Course Code	Course Title	Credit
MATH 2101	Geometry, Vector and Complex Analysis	3
ME 2100	Mechanical Drawing	0.75
CE 2100	Civil Drawing	0.75
EEE 2100	Electrical Circuit Simulation Lab	1.5
EEE 2101	Electronics I	3
EEE 2102	Electronics I Lab	1.5
EEE 2103	Electrical Machines I	3
EEE 2104	Electrical Machines I Lab	0.75
HUM 2102	Financial and Managerial Accounting	3
HUM 2101	Spoken English Sessional	3
<b>Semester Total</b>		<b>20.25</b>

### Fourth Semester (4EE)

Mentor: Fahmida Sharmin Jui

Course Code	Course Title	Credit
MATH 2201	Engineering Statistics	3
EEE 2201	Electronics II	3
EEE 2202	Electronics II Lab	1.5
EEE 2203	Electromagnetic Fields and Waves	3
EEE 2205	Electrical Machines II	3
EEE 2206	Electrical Machines II Lab	1.5
EEE 2207	Signals and Linear Systems	3
<b>Semester Total</b>		<b>18</b>

**Fifth Semester (5EE)**

Mentor: Fahmida Sharmin Jui

<b>Course Code</b>	<b>Course Title</b>	<b>Credit</b>
EEE 3101	Digital Electronics and Logic Design	3
EEE 3102	Digital Electronics and Logic Design Lab	1.5
EEE 3105	Electrical Properties of Materials	2
EEE 3103	Electronic Communication	3
EEE 3104	Electronic Communication Lab	1.5
EEE 3107	Transmission and Distribution of Electrical Power	3
ME 1201	Mechanical Engineering Fundamentals	3
ME 1202	Mechanical Engineering Fundamentals Lab	0.75
ME 2100	Mechanical Drawing	0.75
HUM 2103	Industrial Management and Laws	3
<b>Semester Total</b>		<b>21.5</b>

**Sixth Semester (6EE)**

Mentor: Fahmida Sharmin Jui

<b>Course Code</b>	<b>Course Title</b>	<b>Credit</b>
EEE 3201	Digital Communication	3
EEE 3202	Digital Communication Lab	1.5
HUM 3201	Sociology and Engineering Ethics	3
EEE 3207	Microprocessor and Assembly Language	3
EEE 3208	Microprocessor and Assembly Language Lab	0.75
EEE 3209	Microwave and Antenna Engineering	3
EEE 3210	Microwave and Antenna Engineering Lab	1.5
EEE 3211	Electronics and Machine Design	2
EEE 3105	Electrical Properties of Materials	2
EEE 4105	Semiconductor Physics and Devices	3
<b>Semester Total</b>		<b>22.75</b>

## Seventh Semester (7EE)

Mentor: Hadaate Ullah

<b>Course Code</b>	<b>Course Title</b>	<b>Credit</b>
EEE 4101	Control Systems	3
EEE 4102	Control Systems Lab	1.5
EEE 4103	Power System Analysis	3
EEE 4104	Power System Analysis Lab	1.5
EEE 4105	Semiconductor Physics and Devices	3
EEE 4107	VLSI Technology	3
EEE 4108	VLSI Technology Lab	1.5
EEE 4109	Power Electronics	3
EEE 4110	Power Electronics lab	1.5
EEE 4200	Project/Thesis (Part I)	1
<b>Total</b>		<b>22</b>

## Eighth Semester (8EE)

Mentor: Rubel Kanti Das

<b>Course Code</b>	<b>Course Title</b>	<b>Credit</b>
EEE 4200	Project/Thesis (Part II)	3
EEE 4201	Renewable Energy Systems	3
EEE 4203	Power Plant Engineering	3
HUM 4201	Career Planning and Professional Grooming	2
EEE 4221	Power System Protection (Elective-I)	3.00
EEE 4222	Power System Protection Lab (Elective-I)	0.75
EEE 4205	Optical Fiber Communication (Elective II)	3
EEE 4206	Optical Fiber Communication Lab (Elective II)	0.75
<b>Total</b>		<b>18.5</b>

**Prof. Ashutosh Nath**

**Head**

**Dept. of EEE**

**Southern University Bangladesh**  
**Department of Electrical and Electronic Engineering (EEE)**  
**Bachelor in Electrical and Electronic Engineering for Diploma Holders**  
**Offer list for Fall-2022 (Evening)**

**First Semester (1DEE)**

Mentor: Md. Iftekher Uddin

<b>Course Code</b>	<b>Course Title</b>	<b>Credit</b>
ENG 0231135	English	3
PHY 0533171	Physics	3
PHY 0533172	Physics Lab	1
MATH 0541163	Calculus and Matrices	3
EEE 0713111	Electrical Circuits-I	3
EEE 0713112	Electrical Circuits and Simulation Lab -I	1.5
ICT 0613153	Computer Programming and Numerical Analysis	3
ICT 0613154	Computer Programming and Numerical Analysis Lab	1.5
<b>Semester Total</b>		<b>19</b>

**Second Semester (2DEE)**

Mentor: Kazi Samira

<b>Course Code</b>	<b>Course Title</b>	<b>Credit</b>
SO 0314283	Sociology and Ethics	3
ME 0715161	Mechanical Engineering Fundamentals	3
ME 0715162	Mechanical Engineering Fundamentals Lab	0.75
MATH 0541165	Differential Equations, Laplace and Fourier Transformation	3
EEE 0713113	Electrical Circuits II	3
EEE 0713114	Electrical Circuits and Simulation Lab -II	1.5
CHEM 0531125	Chemistry	3
CHEM 0531126	Chemistry Lab	1
EEE 0714221	Electronics I	3
EEE 0714222	Electronics and Simulation Lab-I	1.5
<b>Semester Total</b>		<b>22.75</b>

### Third Semester (3DEE)

Mentor: Susmita Sen

Course Code	Course Title	Credit
MATH 2101	Geometry, Vector & Complex Analysis	3
EEE 2100	Electrical Circuit Simulation Lab	1.5
EEE 2201	Electronics II	3
EEE 2202	Electronics II Lab	1.5
EEE 2207	Signals and Linear Systems	3
EEE 2103	Electrical Machines I	3
EEE 2104	Electrical Machines I Lab	0.75
EEE 3105	Electrical Properties of Materials	2
<b>Semester Total</b>		<b>17.75</b>

### Fourth Semester (4DEE)

Mentor: Md. Sarwar Uddin Chowdhury

Course Code	Course Title	Credit
MATH 2201	Engineering Statistics	3
EEE 2203	Electromagnetic Fields and Waves	3
EEE 3101	Digital Electronics and Logic Design	3
EEE 3102	Digital Electronics and Logic Design Lab	1.5
EEE 2205	Electrical Machines II	3
EEE 2206	Electrical Machines II Lab	1.5
EEE 3109	Measurement and Instrumentation	3
EEE 4105	Semiconductor Physics and Devices	3
<b>Semester Total</b>		<b>21</b>

## Fifth Semester (5DEE)

Mentor: Md. Liakat Ali

<b>Course Code</b>	<b>Course Title</b>	<b>Credit</b>
EEE 3103	Electronic Communication	3
EEE 3104	Electronic Communication Lab	1.5
EEE 3107	Transmission and Distribution of Electrical Power	3
EEE 3211	Electronics and Machine design	2
EEE 3209	Microwave and Antenna Engineering	3
EEE 3210	Microwave and Antenna Engineering Lab	1.5
EEE 4221	Power System Protection (Elective-I)	3.00
EEE 4222	Power System Protection Lab (Elective-I)	0.75
<b>Semester Total</b>		<b>17.75</b>

## Sixth Semester (6DEE)

Mentor: Md. Habib Ullah

<b>Course Code</b>	<b>Course Title</b>	<b>Credit</b>
EEE 3201	Digital Communication	3
EEE 3202	Digital Communication Lab	1.5
EEE 3205	Digital Signal Processing	3
EEE 3206	Digital Signal Processing Lab	0.75
EEE 3207	Microprocessor and Assembly Language	3
EEE 3208	Microprocessor and Assembly Language Lab	0.75
EEE 4203	Power Plant Engineering	3
EEE 4205	Optical Fiber Communication (Elective II)	3
EEE 4206	Optical Fiber Communication Lab (Elective II)	0.75
EEE 4200	Project/Thesis (Part I)	1
EEE 4201	Renewable Energy Systems	3
<b>Semester Total</b>		<b>22.75</b>

## Seventh Semester (7DEE)

Mentor: Syed Munimus Salam

<b>Course Code</b>	<b>Course Title</b>	<b>Credit</b>
EEE 4101	Control Systems	3
EEE 4102	Control Systems Lab	1.5
EEE 4103	Power System Analysis	3
EEE 4104	Power System Analysis Lab	1.5
EEE 4107	VLSI Technology	3
EEE 4108	VLSI Technology Lab	1.5
EEE 4109	Power Electronics	3
EEE 4110	Power Electronics lab	1.5
EEE 4200	Project/Thesis (Part II)	3
<b>Semester Total</b>		<b>21</b>

**Prof. Ashutosh Nath**

**Head**

**Dept. of EEE**