

**European University of Bangladesh (EUB)**  
**Courses to be offered for EEE Department**  
**Semester: Spring-2024**  
**B.Sc. in EEE (Evening)**

**1st Year 1st Semester (Exempted)**

Course Code	Course Title	Credits	Credit Hour	Department
EEE-101	Electrical Circuits-I	3	3	EEE
EEE-102	Electrical Circuits-I Lab	1	2	EEE
MTH-101	Differential and Integral Calculus	3	3	Mathematics
BBA-103	Financial and Managerial Accounting	3	3	BBA
	Total	10	11	

**1st Year 2nd Semester ( Exempted )**

Course Code	Course Title	Credits	Credit Hour	Department
EEE-100	Electrical Drawing and Drafting Lab	1	2	EEE
PHY-101	Physics-I	3	3	Physics
PHY-102	Physics-I Lab	1	2	Physics
BBA-207	Industrial and Operational Management	3	3	IPE
	Total	8	10	

**1st Year 3rd Semester/36th Batch/1st semester ( 2 Sections) (4 months Curriculum)**

Course Code	Course Title	Credits	Credit Hour	Department
EEE-103	Electrical Circuits-II	3	3	EEE
EEE-104	Electrical Circuits-II Lab	1	2	EEE
MTH-103	Differential Equations	3	3	Mathematics
CHM-101	Chemistry	3	3	Chemistry
CHM-102	Chemistry Lab	1	2	Chemistry
PHY-103	Physics-II	3	3	Physics
PHY-104	Physics-II Lab	1	2	Physics
		15	18	

**2nd Year 1st Semester /35th Batch/2nd Semester (2 Sections)/(4 months Curriculum)**

Course Code	Course Title	Credits	Credit Hour	Department
EEE-201	Electronics-I	3	3	EEE
EEE-202	Electronics-I Lab	1	2	EEE
CSE-203	Programming Language	3	3	CSE
CSE-204	Programming Language Lab	1	2	CSE
MTH-201	Linear Algebra and Complex Variables	3	3	Mathematics
ENG-101	Oral and Written English	3	3	English

GED-101	Bangladesh Studies (History of Independence of Bangladesh)	3	3	BBA
	Total	17	19	
<b>2nd Year 2nd Semester/34th Batch/3rd semester (2 Sections)/ (4 months Curriculum)</b>				
<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Credit Hour</b>	<b>Department</b>
EEE-203	Electrical Machines-I	3	3	EEE
EEE-204	Electrical Machines-I Lab	1	2	EEE
EEE-211	Semiconductor Device	3	3	EEE
ME-201	Mechanical Engineering Fundamentals	3	3	IPE
MTH-203	Probability and Statistics	3	3	Mathematics
BBA-201	Business Communication	3	3	BBA
		16	17	
<b>2nd Year 3rd Semester/ (33rd Batch )/4th semester(3 Sections)/ (4 months Curriculum)</b>				
<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Credit Hour</b>	<b>Department</b>
EEE-205	Electronics-II	3	3	EEE
EEE-206	Electronics-II Lab	1	2	EEE
EEE-207	Digital Logic Design	3	3	EEE
EEE-208	Digital Logic Design Lab	1	2	EEE
EEE-209	Electrical Machines-II	3	3	EEE
EEE-210	Electrical Machines-II Lab	1	2	EEE
MTH-205	Co-ordinate Geometry and Vector Analysis	3	3	Mathematics
	Total	15	18	
<b>3rd Year 1st Semester / (32nd Batch )/5th Semester (3 Sections)/ (4 months Curriculum)</b>				
<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Credit Hour</b>	<b>Department</b>
EEE-301	Digital Electronics	3	3	EEE
EEE-302	Digital Electronics Lab	1	2	EEE
EEE-303	Signals and Systems	3	3	EEE
EEE-304	Signals and Systems Lab	1	2	EEE
EEE-311	Communication Engineering	3	3	EEE
EEE-312	Communication Engineering Lab	1	2	EEE
MTH-301	Numerical Methods and Fourier and Laplace Transformation	3	3	Mathematics
	Total	15	18	
<b>3rd Year 2nd Semester/ (31st Batch ) /6th Semester(2 Sections)/(4 months Curriculum)</b>				
<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Credit Hour</b>	<b>Department</b>
EEE-305	Electromagnetic Fields and Waves	3	3	EEE
EEE-309	Digital Signal Processing	3	3	EEE

EEE-310	Digital Signal Processing Lab	1	2	EEE
EEE-315	Electrical Measurements and Instrumentation	3	3	EEE
EEE-316	Electrical Measurements and Instrumentation Lab	1	2	EEE
EEE-329	Electrical Machines-III	3	3	EEE
		14	16	
<b>3rd Year 3rd Semester/ (30th Batch )/7th Semester (4 Sections)/(4 months Curriculum)</b>				
<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Credit Hour</b>	<b>Department</b>
EEE-347	Power Systems Engineering	3	3	EEE
EEE-345	Transmission and Distribution	3	3	EEE
EEE-307	Microprocessor and Interfacing	3	3	EEE
EEE-308	Microprocessor and Interfacing Lab	1	2	EEE
EEE-449	Power Plant Engineering	3	3	EEE
EEE-318	Engineering Simulation Lab	1	2	EEE
		14	16	
<b>4th Year 1st Semester/ (29th Batch )/ 8th Semester (2 Sections)/(4 months Curriculum)</b>				
<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Credit Hour</b>	<b>Department</b>
EEE-471	Wireless and Mobile Communication	3	3	EEE
EEE-453	Power System Protection	3	3	EEE
EEE-401	Control Systems	3	3	EEE
EEE-402	Control Systems Lab	1.5	2	EEE
CE-100	Engineering Drawing	2	2	EEE
EEE-313	Electrical Engineering Materials	3	3	EEE
		15.5	16	
<b>4th Year 2nd Semester/ (28th Batch )/ 9th Semester (2 Section)/ (4 months Curriculum)</b>				
<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Credit Hour</b>	<b>Department</b>
EEE-331	Power Electronics	3	3	EEE
EEE-332	Power Electronics Lab	1.5	2	EEE
EEE-473	Optical Fiber Communications	3	3	EEE
EEE-315	Electrical Measurements and Instrumentation	3	3	EEE
EEE-449	Power Plant Engineering	3	3	EEE
EEE-459	Optoelectronics	3	3	EEE
		16.5	17	
<b>4th Year 3rd Semester/ (27th Batch ) /10th Semester(4 Section)/(4 months Curriculum)</b>				
<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Credit Hour</b>	<b>Department</b>

EEE-498	Project/Internship/Thesis	6	6	EEE	
		6	6		
<b>***Course Offer for Irregular Students***</b>					
<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Credit Hour</b>	<b>Department</b>	
EEE-101	Electrical Circuits-I	3	3	EEE	
EEE-104	Electrical Circuits Lab	1.5	2	EEE	
EEE-204	Electrical Machines-I Lab	1.5	2	EEE	
EEE-206	Electronics Lab	1.5	2	EEE	
EEE-210	Electrical Machines-II Lab	1.5	2	EEE	
CSE-203	Computer Programming	3	3	CSE	
CSE-204	Computer Programming Lab	1.5	2	CSE	
MTH-101	Differential and Integral Calculus	3	3	Mathematics	
MTH-105	Linear Algebra and Complex Variable	3	3	Mathematics	
MTH-201	Co-ordinate Geometry and Vector Analysis	3	3	Mathematics	
PHY-101	Physics-I	3	3	Physics	
PHY-104	Physics Lab	1.5	3	Physics	
CHM-102	Chemistry Lab	1.5	2	Chemistry	
ENG-101	Foundation English	3	3	English	
ENG-106	English Language-II : Oral and Written Communication	3	3	English	
EEE-302	Digital Logic Design	3	3	EEE	
MTH-205	Numerical Methods and Fourier and Laplace Transformation	3	3	Mathematics	
CSE-101	Computer Fundamentals	3	3	CSE	
CSE-102	Computer Fundamentals Lab	1.5	2	CSE	
EEE-312	Communication Engineering Lab	1.5	2	EEE	
EEE-310	Digital Signal Processing Lab	1.5	2	EEE	
EEE-207	Digital Electronics	3	3	EEE	
EEE-208	Digital Electronics Lab	1.5	2	EEE	
BBA-407	Industrial and Operational Management	3	3	IPE	
EEE-308	Microprocessor and Interfacing Lab	1.5	2	EEE	
<b>Rubab Ahmmed</b>				<b>Approved By</b>	
<b>Assistant Professor &amp; Faculty Coordinator</b>				<b>Dr. Engr. Md. Hazrat Ali</b>	
<b>Department of EEE</b>				<b>Professor and Chairman</b>	
<b>European University of Bangladesh</b>				<b>Dept. of EEE, EUB</b>	

**European University of Bangladesh (EUB)**  
**Courses to be offered for EEE Department**  
**Semester: Spring-2024**  
**B.Sc. in EEE (Regular)**

**1st Year 1st Semester/ 35th Batch/ 1st Semester/ (4 months Curriculum)**

Course Code	Course Title	Credit	Credit Hour	Department
EEE-101	Electrical Circuits-I	3	3	EEE
EEE-102	Electrical Circuits-I Lab	1	2	EEE
MTH-101	Differential and Integral Calculus	3	3	Mathematics
CHM-101	Chemistry	3	3	Chemistry
CHM-102	Chemistry Lab	1	2	Chemistry
PHY-101	Physics-I	3	3	Physics
PHY-102	Physics-I Lab	1	2	Physics
		15	18	

**1st Year 2nd Semester/ 34th Batch/ 2nd Semester/(4 months Curriculum)**

Course Code	Course Title	Credit	Credit Hour	Department
EEE-103	Electrical Circuits-II	3	3	EEE
EEE-104	Electrical Circuits-II Lab	1	2	EEE
MTH-103	Differential Equations	3	3	Mathematics
PHY-103	Physics-II	3	3	Physics
PHY-104	Physics-II Lab	1	2	Physics
ENG-101	Oral and Written English	3	3	English
		14	16	

**1st Year 3rd Semester/ (33rd Batch)/ 3rd Semester/(4 months Curriculum)**

Course Code	Course Title	Credit	Credit Hour	Department
EEE-201	Electronics-I	3	3	EEE
EEE-202	Electronics-I Lab	1	2	EEE
EEE-100	Electrical Drawing and Drafting Lab	1	2	EEE
GED-101	Bangladesh Studies (History of Independence of Bangladesh)	3	3	BBA
BBA-103	Financial and Managerial Accounting	3	3	BBA
EEE-318	Engineering Simulation Lab	1	2	EEE
		12	15	

**2nd Year 1st Semester/ (32nd Batch)/ 4th Semester/(4 months Curriculum)**

Course Code	Course Title	Credit	Credit Hour	Department
EEE-205	Electronics-II	3	3	EEE
EEE-206	Electronics-II Lab	1	2	EEE
CSE-203	Programming Language	3	3	CSE
CSE-204	Programming Language Lab	1	2	CSE
MTH-201	Linear Algebra and Complex Variables	3	3	Mathematics
BBA-201	Business Communication	3	3	BBA
		14	16	

**2nd Year 2nd Semester/ (31st Batch)/ 5th Semester/(4 months Curriculum)**

Course Code	Course Title	Credit	Credit Hour	Department
EEE-203	Electrical Machines-I	3	3	EEE
EEE-204	Electrical Machines-I Lab	1	2	EEE
EEE-211	Semiconductor Device	3	3	EEE
MTH-203	Probability and Statistics	3	3	Mathematics
BBA-207	Industrial and Operational Management	3	3	IPE
		13	14	

**2nd Year 3rd Semester/ (30th Batch)/ 6th Semester/(4 months Curriculum)**

Course Code	Course Title	Credit	Credit Hour	Department
EEE-207	Digital Logic Design	3	3	EEE
EEE-208	Digital Logic Design Lab	1	2	EEE
EEE-209	Electrical Machines-II	3	3	EEE
EEE-210	Electrical Machines-II Lab	1	2	EEE
ME-201	Mechanical Engineering Fundamentals	3	3	IPE
MTH-205	Co-ordinate Geometry and Vector Analysis	3	3	Mathematics
		14	16	

**3rd Year 1st Semester/ (29th Batch)/ 7th Semester/(4 months Curriculum)**

Course Code	Course Title	Credit	Credit Hour	Department
EEE-301	Digital Electronics	3	3	EEE
EEE-302	Digital Electronics Lab	1	2	EEE
EEE-303	Signals and Systems	3	3	EEE
EEE-304	Signals and Systems Lab	1	2	EEE
EEE-311	Communication Engineering	3	3	EEE
EEE-312	Communication Engineering Lab	1	2	EEE
MTH-301	Numerical Methods and Fourier and Laplace Transformation	3	3	Mathematics
		15	18	

**3rd Year 2nd Semester/ (28th Batch)/ 8th Semester/(4 months Curriculum)**

Course Code	Course Title	Credit	Credit Hour	Department
EEE-307	Microprocessor and Interfacing	3	3	EEE
EEE-308	Microprocessor and Interfacing Lab	1.5	2	EEE
EEE-331	Power Electronics	3	3	EEE
EEE-332	Power Electronics Lab	1.5	2	EEE
EEE-313	Electrical Engineering Materials	3	3	EEE
GED-301	Professional Ethics	3	3	BBA
		15	16	

**3rd Year 3rd Semester/ (27th Batch)/ 9th Semester/(4 months Curriculum)**

Course Code	Course Title	Credit	Credit Hour	Department
EEE-473	Optical Fiber Communication	3	3	EEE
EEE-445	Transmission and Distribution	3	3	EEE
EEE-311	Communication Engineering	3	3	EEE
EEE-312	Communication Engineering Lab	1.5	2	EEE
EEE-207	Digital Electronics	3	3	EEE
EEE-208	Digital Electronics Lab	1.5	2	EEE

		15	16	
<b>4th Year 1st Semester/ (26th Batch)/ 10th Semester/(4 months Curriculum)</b>				
<b>Course Code</b>	<b>Course Title</b>	<b>Credit</b>	<b>Credit Hour</b>	<b>Department</b>
EEE-401	Control Systems	3	3	EEE
EEE-402	Control Systems Lab	1.5	2	EEE
EEE-447	Power Systems Engineering	3	3	EEE
EEE-449	Power Plant Engineering	3	3	EEE
BBA-315	Financial and Managerial Accounting	3	3	BBA
		13.5	14	
<b>4th Year 2nd Semester/ (25th Batch)/ 11th Semester/(4 months Curriculum)</b>				
<b>Course Code</b>	<b>Course Title</b>	<b>Credit</b>	<b>Credit Hour</b>	<b>Department</b>
EEE-459	Optoelectronics	3	3	EEE
EEE-471	Wireless and Mobile Communication	3	3	EEE
EEE-315	Electrical Measurements and Instrumentation	3	3	EEE
EEE-453	Power System Protection	3	3	EEE
BBA-407	Industrial and Operational Management	3	3	IPE
		15	15	
<b>4th Year 3rd Semester/ (24th Batch)/ 12th Semester/(4 months Curriculum)</b>				
<b>Course Code</b>	<b>Course Title</b>	<b>Credit</b>	<b>Credit Hour</b>	<b>Department</b>
EEE-498	Project/Internship/Thesis	6	6	EEE
		6	6	
<b>***Course Offer for Irregular Students***</b>				
<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Credit Hour</b>	<b>Department</b>
EEE-204	Electrical Machines-I Lab	1.5	2	EEE
EEE-104	Electrical Circuits Lab	1.5	2	EEE
EEE-206	Electronics Lab	1.5	2	EEE
MTH-201	Co-ordinate Geometry and Vector Analysis	3	3	Mathematics
MTH-105	Linear Algebra and Complex Variable	3	3	Mathematics
CHM-102	Chemistry Lab	1.5	2	Chemistry
PHY-104	Physics Lab	1.5	2	Physics
CSE-101	Computer Fundamentals	3	3	CSE
CSE-102	Computer Fundamentals Lab	1.5	2	CSE
ENG-101	Foundation English	3	3	English
ENG-106	English Language-II : Oral and Written Communication	3	3	English
BBA-313	Industrial Economics	3	3	Economics
CSE-203	Computer Programming	3	3	CSE
CSE-204	Computer Programming Lab	1.5	2	CSE
EEE-302	Digital Logic Design	3	3	EEE
MTH-205	Numerical Methods and Fourier and Laplace Transformation	3	3	Mathematics
EEE-303	Signals and Systems	3	3	EEE
EEE-210	Electrical Machines-II Lab	1.5	2	EEE
EEE-309	Digital Signal Processing	3	3	EEE

EEE-310	Digital Signal Processing Lab	1.5	2	EEE	
EEE-305	Electromagnetic Fields and Waves	3	3	EEE	
CE-100	Engineering Drawing	1.5	2	EEE	
<b>Rubab Ahmmed</b>				<b>Approved By</b>	
<b>Assistant Professor &amp; Faculty Coordinator</b>				<b>Dr. Engr. Md. Hazrat Ali</b>	
<b>Department of EEE</b>				<b>Professor and Chairman</b>	
<b>European University of Bangladesh</b>				<b>Dept. of EEE, EUB</b>	