

**Department of Electrical and Electronic Engineering
Uttara University**

Offered Courses for Fall-2016

Only for Regular Students

23rd Regular Batch

Level-1, Term-1, Semester-1st

Sl. No.	Course Code	Course Title	Credits	Contact Hr.	Perquisite	Remarks
1	PHY 101	Physics-I	3	3	×	
2	CSE 101	Computer Programming	3	3	×	
3	CSE 102	Computer Programming Lab	1.5	3	CSE 101	
4	MATH 101	Differential & Integral Calculus	3	3	×	
5	HUM 101	Basic English	3	3	×	
Total =			13.5	15		

22nd Regular Batch

Level-1, Term-2, Semester-2nd

Sl. No.	Course Code	Course Title	Credits	Contact Hr.	Perquisite	Remarks
1	HUM 103	Composition & Communication Skills	3	3	HUM 101	
2	MATH 103	Differential Equations & Special functions	3	3	MATH 101	
3	PHY 103	Physics-II	3	3	PHY 101	
4	PHY 104	Physics-II Lab	1.5	3	PHY 103	
5	EEE 101	Electrical Circuits-I	3	3	×	
6	EEE 102	Electrical Circuits-I Lab	1.5	3	EEE 101	
Total =			15	18	Fall-2016	

21st Regular Batch

Level-1, Term-3, Semester-3rd

Sl. No.	Course Code	Course Title	Credits	Contact Hr.	Perquisite	Remarks
1	CHEM 101	Chemistry	3	3	×	
2	CHEM 102	Chemistry Lab	1.5	3	CHEM 101	
3	CSE 101	Computer Programming	3	3	×	
4	CSE 102	Computer Programming Lab	1.5	3	CSE 101	
5	MATH 105	Linear Algebra & Mathematical Transformations	3	3	MATH 103	
6	HUM 105	Bangladesh Studies	3	3	×	
Total =			15	18	Fall-2016	

20th Regular Batch**Level-2, Term-1, Semester-4th**

Sl. No.	Course Code	Course Title	Credits	Contact Hr.	Prerequisite	Remarks
1	EEE 201	Electronics-I	3	3	EEE 103	
2	EEE 202	Electronics-I Lab	1.5	3	EEE 201	
3	MATH 201	Vector Geometry and Complex Variables	3	3	MATH 105	
4	HUM 203	Economics	3	3	MATH 101	
5	HUM 205	Financial and Managerial Accounting	3	3	×	
Total =			13.5	15	Fall-2016	

19th Regular Batch**Level-2, Term-2, Semester-5th**

Sl. No.	Course Code	Course Title	Credits	Contact Hr.	Prerequisite	Remarks
1	EEE 203	Electronics-II	3	3	EEE 201	
2	EEE 204	Electronics-II Lab	1.5	3	EEE 203	
3	EEE 205	Energy Conversion-I	3	3	PHY 103, EEE 103	
4	EEE 206	Energy Conversion-I Lab	1.5	3	EEE 205	
5	MATH 203	Probability and Statistics	3	3	MATH 201	
6	HUM 207	Professional Ethics	3	3	×	
Total =			15	18	Fall-2016	

18th Regular Batch**Level-2, Term-3, Semester-6th**

Sl. No.	Course Code	Course Title	Credits	Contact Hr.	Prerequisite	Remarks
1	EEE 207	Digital Electronics	3	3	EEE 201	
2	EEE 208	Digital Electronics Lab	1.5	3	EEE 207	
3	EEE 211	Electromagnetic Fields & Waves	3	3	PHY 101, MATH 201	
4	EEE 351	Electrical Properties of Materials	3	3	EEE 201, PHY 101	
5	EEE 301	Signal & Systems	3	3	MATH 103, MATH 105, EEE 103	
Total =			13.5	15	Fall-2016	

17th Regular Batch**Level-3, Term-1, Semester-7th**

Sl. No.	Course Code	Course Title	Credits	Contact Hr.	Prerequisite	Remarks
1	EEE 311	Microprocessor and Interfacing	3	3	EEE 207	
2	EEE 312	Microprocessor and Interfacing Lab	1.5	3		
3	EEE 303	Communication Theory	3	3	EEE 211	
4	EEE 304	Communication Theory Lab	1.5	3		
5	EEE 371	Power Systems	3	3	EEE 203	
6	EEE 313	VLSI Design	3	3	EEE 207	
7	EEE 314	VLSI Design Lab	1.5	3		
Total =			16.5	21	Fall-2016	

16 th Regular Batch						
Level-3 , Term-2 , Semester-8th						
Sl. No.	Course Code	Course Title	Credits	Contact Hr.	Perquisite	Remarks
1	EEE 303	Communication Theory	3	3	EEE 211	
2	EEE 304	Communication Theory Lab	1.5	3		
3	EEE 371	Power Systems	3	3	EEE 203	
4	EEE 313	VLSI Design	3	3	EEE 207	
5	EEE 314	VLSI Design Lab	1.5	3		
Total =			12	15	Fall-2016	

15 th Regular Batch						
Level-3 , Term-3 , Semester-9th						
Sl. No.	Course Code	Course Title	Credits	Contact Hr.	Perquisite	Remarks
1	EEE 371	Power Systems	3	3	EEE 203	
2	EEE465	Power Electronics	3	3	EEE 103, EEE 201	
3	EEE466	Power Electronics Lab	1.5	3		
4	EEE 373	Renewable Energy	3	3	×	
5	EEE 416	Electrical Services Design	2	3	EEE 103	
Total =			12.5	15	Fall-2016	

14 th Regular Batch						
Level-4 , Term-1 , Semester-10th						
Sl. No.	Course Code	Course Title	Credits	Contact Hr.	Perquisite	Remarks
1	EEE 483	Transmission and Distribution	3	3	EEE 371	
2	ME 421	Mechanical Engineering Fundamentals	3	3	×	
3	EEE 400	Project and Thesis (Research Methodology)	2	2	×	
Total =			8	8	Fall-2016	

13 th Regular Batch						
Level-4 , Term-2 , Semester-11th						
Sl. No.	Course Code	Course Title	Credits	Contact Hr.	Perquisite	Remarks
1	EEE 416	Electrical Services Design	2	3	EEE 103	
2	EEE 400	Project and Thesis	2	2	×	
Total =			4	5	Fall-2016	

12 th Regular Batch						
Level-4 , Term-3 , Semester-12th						
Sl. No.	Course Code	Course Title	Credits	Contact Hr.	Perquisite	Remarks
1	EEE 416	Electrical Services Design	2	3	EEE 103	
2	EEE 400	Project and Thesis	2	2	×	
Total =			4	5	Fall-2016	