



NPI University of Bangladesh

Department of Electrical and Electronic Engineering

Courses for B. Sc. in EEE (For Diploma Passed Student)

NPI University of Bangladesh offers the following courses for B.Sc. in EEE degree. Students have to complete 126 credits over 3 years (6 Semesters).

1 st Year 1 st Semester			2 nd Year 2 nd Semester		
Course Code	Course Name	Credit	Course Code	Course Name	Credit
EEE 101	Electrical Circuits I	3	EEE 301	Signals and Systems	3
EEE 102	Electrical Circuits I Lab	1	EEE 303	Electromagnetic Fields and Waves	3
EEE 201	Electronics I	3	EEE 307	Digital Signal Processing	3
EEE 202	Electronics I Lab	1	EEE 308	Digital Signal Processing Lab	1
ENG 103	Composition and Communication Skills	3	EEE 309	Digital Electronics	3
MAT 101	Differential and Integral Calculus	3	EEE 310	Digital Electronics Lab	1
PHY 101	Physics I	3	EEE 210	Numerical Techniques lab	1
PHY 102	Physics I Lab	1	MAT 203	Probability & Statistics	3
GEN 301	Industrial Management	3	GEN 203	Financial & Managerial Accounting	3
Total Credit		21	Total Credit		21
1 st Year 2 nd Semester			3 rd Year 1 st Semester		
EEE 103	Electrical Circuits II	3	EEE 313	Control Systems	3
EEE 104	Electrical Circuits II Lab	1	EEE 314	Control Systems Lab	1
EEE 205	Electrical Machines I	3	EEE 315	Power Systems	3
EEE 206	Electrical Machines I Lab	1	EEE 316	Power Systems Lab	1
MAT 103	Differential Equations	3	EEE 401	Measurement and Instrumentation	3
CSE 101	Computer Programming	3	EEE 402	Measurement and Instrumentation Lab	1
CSE 102	Computer Programming Lab	1	EEE 403	Microprocessor and Interfacing	3
CHM 101	Chemistry	3	EEE 404	Microprocessor and Interfacing Lab	1
CHM 102	Chemistry Lab	1	EEE 405	Semiconductor Devices	3
GEN 303	Bangladesh Studies	3	Total Credit		19
Total Credit		22	3 rd Year 2 nd Semester		
2 nd Year 1 st Semester			EEE 400	Project and Thesis	4
EEE 203	Electronics II	3	EEE 410	Electrical Services Design	1
EEE 204	Electronics II Lab	1	EEE 423	Power Electronics	3
EEE 207	Electrical Machines II	3	EEE 424	Power Electronics Lab	1
EEE 208	Electrical Machines II Lab	1	EEE 425	Power Plant Engineering	3
EEE 305	Communication Theory	3	EEE 431	Power System Protection	3
EEE 306	Communication Lab	1	EEE 432	Power System Protection Lab	1
MAT 105	Linear Algebra and Complex Variables	3	EEE 433	Renewable Energy	3
MAT 201	Co-ordinate Geometry & Vector Analysis	3	EEE 435	Power Transmission and Distribution	3
MEC 201	Mechanical Engineering Fundamentals	3	Total Credit		22
Total Credit		21	Total Credit Hours: 126		

Diploma Holder gets waiver 16 (Sixteen) Credits of the following courses:

Course Code	Course Name	Credit
EEE 311	Properties Materials	3
ENG 101	Basic English	3
PHY 103	Physics II	3
PHY 104	Physics II Lab	1
GEN 311	Sociology	3
GEN 201	Fundamental of Economics	3
Total Credit		16