

LIST OF COURSES: DEPARTMENT OF EEE

English Courses (Three courses-9 credit hours)	
ENG-1111	English Reading
ENG-1213	English Composition / Writing
ENG-1315	Spoken English
List of General Education Courses (any five courses-15 credit hours)	
ART-1111	Bangladesh Studies
ART-1213	Introduction to Sociology
ART- 2213	Professional Ethics
ECON-2311	Principals of Economics
MGT-2315	Introduction to Business
ACC-2111	Principles of Accounting
MGT-3211	Industrial Management
ART-1215	Public Administration
ART-1217	Political Science
Basic Science Courses (Three courses-9 credit hours)	
PHY-1311	General Physics I
PHY-1312	General Physics: Sessional
PHY-2213	General Physics II
PHY-2214	General Physics: Sessional
CHEM-2311	Chemistry
CHEM-2312	Chemistry: Sessional
Mathematics Courses (5 courses-15 credit hours)	
MATH-1111	Differential and Integral Calculus
MATH-1213	Linear Algebra & Matrix
MATH-1315	Ordinary and Partial Differential Equations
MATH-2111	Co-Ordinate Geometry and Vector Analysis
MATH-2213	Probability and Statistics
Computer courses (6 courses-18 credit hours)	
CSE-1111	Introduction to Computers
CSE-1112	Introduction to Computers: Sessional
CSE-1213	Computer Programming
CSE-1214	Computer Programming: Sessional
CSE-2111	Numerical Methods
CSE-2112	Numerical Methods: Sessional
CSE-2113	Object Oriented Programming
CSE-2114	Object Oriented Programming: Sessional
CSE-3113	Computer Networks
CSE-3114	Computer Networks Laboratory
CSE-3223	Internet Intranet and Extranet applications
CSE-3224	Internet Intranet and Extranet applications: Sessional
Other Engineering Discipline Courses (Any two courses-6 credit hours)	
CHE-2111	Chemical Process Principles
CE-2112	Engineering Drawing: Sessional
ME-2211	Mechanical Engineering Fundamentals
ME-2212	Mechanical Engineering Fundamentals Sessional
EEE Core Courses	
EEE-1111	Electrical Circuits I
EEE-1213	Electrical Circuits II
EEE-1214	Electrical Circuits Laboratory
EEE-1315	Electronics I
EEE-1316	Electronics Circuit Simulation Laboratory
EEE-1317	Energy Conversion I
EEE-2213	Energy Conversion II
EEE-2214	Energy Conversion laboratory
EEE-2315	Electronics II
EEE-2316	Electronics Laboratory
EEE-2317	Digital Electronics
EEE-2318	Digital Electronics Laboratory
EEE-3111	Continuous Signals and Linear Systems
EEE-3112	Continuous Signals and Linear Systems Laboratory

EEE-3113	Engineering Electromagnetic
EEE-3115	Power System I
EEE-3116	Power System I Laboratory

EEE-3217	Communication Theory
EEE-3218	Communication Theory Laboratory
EEE-3219	Basic Communication Engineering
EEE-3220	Basic Communication Engineering Laboratory
EEE-3221	Microprocessor, Assembly Language & Computer Interfacing
EEE-3222	Microprocessor, Assembly Language & Computer Interfacing: Sessional
EEE-3324	Electrical Services Design
EEE-3325	Electrical Properties of Materials
EEE-3327	Control System I
EEE-3328	Control System I Laboratory
EEE-3329	Digital Signal Processing I
EEE-3330	Digital Signal Processing I Laboratory
EEE 4800	Project/Thesis

List of Elective courses (Major & Minor)

(Any 5 courses from any major and 5 courses from any minor courses has to be done)

POWER GROUP

EEE-4011	Power System II
EEE-4113	Energy Conversion III
EEE-4115	Power Electronics
EEE-4116	Power Electronics Laboratory
EEE-4117	Power Plant Engineering
EEE-4119	Renewable Energy Systems
EEE-4229	Power System Protection
EEE-4230	Power System Protection Laboratory
EEE-4231	High Voltage Engineering
EEE-4232	High Voltage Engineering Laboratory
EEE-4233	Power System Reliability
EEE-4339	Power System Operation and Control
EEE-4341	Advanced Machines

ELECTRONICS GROUP

EEE-4121	Solid State Devices
EEE-4123	Analog Integrated Circuits
EEE-4125	Processing and Fabrication Technology
EEE-4127	VLSI I
EEE-4128	VLSI I Laboratory
EEE-4235	VLSI II
EEE-4236	VLSI II Laboratory
EEE-4237	Optoelectronics
EEE-4343	Biomedical Instrumentation
EEE-4344	Biomedical Instrumentation Laboratory
EEE-4345	Measurement and Instrumentation
EEE-4346	Measurement and Instrumentation Laboratory
ECE-4347	Radio and Television Engineering
ECE-4348	Radio and Television Engineering: Sessional
ECE-4349	Robotics & Computer Vision
ECE-4380	Robotics & Computer Vision: Sessional

**** Besides Power and Electronics, students can also choose Communication or Computer as their Major or Minor course**