

**Year 1**

**Electrical Engineering Subjects**

640-141  
Physics A S1

620-141  
Mathematics A  
S1 & S2

431-102  
Digital Systems 1:  
Fundamentals S1

433-151  
Introduction to  
Programming  
S1 & S2

640-142  
Physics B S2

620-143  
Applied  
Mathematics  
S1 & S2

431-103  
Electrical Circuits 1 S2

433-1452  
Algorithmic  
Problem Solving  
S1 & S2

**Year 2**

431-201  
Engineering  
Analysis A  
S1 & S2

431-210  
Electrical Circuits 2  
S1

431-204  
Digital Systems 2:  
System Design S1

431-202  
Engineering  
Analysis B  
S1 & S2

431-221  
Fundamentals of  
Signals & Systems S2

431-222  
Electronic Circuit  
Design 1 S2

**Year 3**

431-324  
Control I  
(Classical Control) S1

431-325  
Stochastic Signals  
& Systems S1

431-331  
Electronic Circuit  
Design 2 S1

431-330  
Design Laboratory  
S1 & S2

431-3xx  
Signal Processing 1  
(Fundamentals) S2

431-329  
Fields & Transmission  
Lines S2

431-327  
Communication  
Systems S2

640-381  
Principles & Appl'ns  
of Sensors S2

431-328  
Digital Systems 3:  
Circuits & Systems S2

**Year 4**

431-461  
Signal  
Processing 2 S1

431-451  
Project  
Management  
& Product  
Commercialization S1

431-460  
Digital  
Communications S1

431-462  
Communication  
Networks S1

431-481  
Electronic Circuit  
Design 3 S1

**431-400  
Project Work  
(Year-long)**  
  
Pre-requisite:  
Completion of  
third year  
  
Co-requisite:  
Enrolment in full  
final year of BE

431-464  
Control 2  
(Advanced Control) S2

431-466  
RF and  
Optoelectronics S2

431-465  
Wireless  
Communications S2

431-467  
Digital Systems 4:  
High Speed Systems S2