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| **Electrical & Electronic Engineering**  Bangladesh University of Engineering and Technology | | |
| **CORE: EEE** | | |
| 01 | EEE | Electrical Circuits 1 |
| 02 | EEE | Electrical Circuits 2 (with Sessional) |
| 03 | EEE | Electrical Circuit Simulation Sessional |
| 04 | EEE | Electronics 1 |
| 05 | EEE | Electronic Circuit Simulation Sessional |
| 06 | EEE | Energy Conversion 1 |
| 07 | EEE | Energy Conversion 2 (with Sessional) |
| 08 | EEE | Electronics 2 (with Sessional) |
| 09 | EEE | Engineering Electromagnetics |
| 10 | EEE | Numerical Technique Sessional |
| 11 | EEE | Continuous Signals and Linear Systems |
| 12 | EEE | Digital Electronics (with Sessional) |
| 13 | EEE | Poser System 1 (with Sessional) |
| 14 | EEE | Electrical Properties of Materials |
| 15 | EEE | Electrical Services Design Sessional |
| 16 | EEE | Communication Theory (with Sessional) |
| 17 | EEE | Digital Signal Processing 1 (with Sessional) |
| 18 | EEE | Microprocessor and Interfacing (with Sessional) |
| 19 | EEE | Solid State Devices |
| 20 | EEE | Control System 1 (with Sessional) |
| 21 | EEE | Project and Thesis 1 |
| 22 | EEE | Project and Thesis 2 |
| **CORE: SCINECE AND TECHNOLOGY** | | |
| 01 | MATH | Differential and Integral Calculus |
| 02 | MATH | Vector Analysis and Complex Variable |
| 03 | MATH | Ordinary and Partial Differential Equations |
| 04 | MATH | Linear Algebra |
| 05 | MATH | Statistics and Probability |
| 06 | PHY | Wave and Oscillations, Optics and Thermal Physics (with Sessional) |
| 07 | PHY | Electricity and Magnetism, Modern Physics and Mechanics (with Sessional) |
| 08 | CHE | Introduction to Chemistry |
| 09 | CHE | Inorganic and Quantitative Analysis Sessional |
| 10 | CSE | Computer Programming (with Sessional) |
| 11 | ME | Mechanical Engineering Fundamentals (with Sessional) |
| 12 | IPE | Industrial Management |
| 12 | CE | Engineering Drawing Sessional |
| **ELECTIVES: ELECTRICAL POWER (Any Seven Courses)** | | |
| 01 | EEE | Power System 2 |
| 02 | EEE | Energy Conversion 3 |
| 03 | EEE | Power Electronics (with Sessional) |
| 04 | EEE | Power Plant Engineering |
| 05 | EEE | Poser System Protection (with Sessional) |
| 06 | EEE | Poser System Reliability |
| 07 | EEE | Poser System Operation and Control |
| 08 | EEE | High Voltage Engineering (with Sessional) |
| **ELECTIVES: ELECTRONIC (Any Seven Courses)** | | |
| 01 | EEE | Analog Integrated Circuits |
| 02 | EEE | Processing and Fabrication Technology |
| 03 | EEE | Compound Semiconductor and Hetero-junction Devices |
| 04 | EEE | VLSI 1 (with Sessional) |
| 05 | EEE | VLSI 2 (with Sessional) |
| 06 | EEE | Optoelectronics |
| 07 | EEE | Semiconductor Device Theory |
| **ELECTIVES: COMMUNICATION (Any Seven Courses)** | | |
| 01 | EEE | Random Signals and Processes |
| 02 | EEE | Digital Signal Processing 2 |
| 03 | EEE | Microwave Engineering (with Sessional) |
| 04 | EEE | Optical Fiber Communication |
| 05 | EEE | Digital Communication (with Sessional) |
| 06 | EEE | Mobile Cellular Communication |
| 07 | EEE | Telecommunication Engineering |
| **ELECTIVES: COMPUTER (Any Seven Courses)** | | |
| 01 | EEE | Microprocessor System Design (with Sessional) |
| 02 | EEE | Real Time Computer System |
| 03 | CSE | Computer Networks (with Sessional) |
| 04 | CSE | Computer Architecture |
| 05 | CSE | Multimedia Communication |
| **ELECTIVES: INTERDISCIPLINARY (Any One Course)** | | |
| 01 | EEE | Control System 2 (with Sessional) |
| 02 | EEE | `Numerical Methods (with Sessional) |
| 03 | EEE | Biomedical Instrumentation (with Sessional) |
| 04 | EEE | Measurement and Instrumentation |