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| **Electrical, Electronic & Communication Engineering**  Military Institute of Science and Technology | | |
| **CORE: EECE** | | |
| 01 | EECE | Electrical Circuits 1 |
| 02 | EECE | Electrical Circuits and Simulation Sessional |
| **03** | EECE | Electrical Circuits 2 |
| 04 | EECE | Electrical Circuits and Simulation Sessional |
| 05 | EECE | Electronics 1 |
| 06 | EECE | Electronics Circuit and Simulation Sessional |
| 07 | EECE | Electrical Machines 1 / Energy Conversion 1 |
| 08 | EECE | Electrical Machines 2 / Energy Conversion 2 (with Sessional) |
| 09 | EECE | Electronics 2 |
| 10 | EECE | Electronics Circuit and Simulation Sessional |
| 11 | EECE | Engineering Electromagnetic |
| 12 | EECE | Numerical Technique Sessional |
| 13 | EECE | Continuous Signals and Linear Systems |
| 14 | EECE | Digital Electronics (with Sessional) |
| 15 | EECE | Power System 1 (with Sessional) |
| 16 | EECE | Electrical Measurement, Instrumentation and Sensors (with Sessional) |
| 17 | EECE | Electrical Properties of Material |
| 18 | EECE | Electrical Service Design and CAD Sessional |
| 19 | EECE | Microprocessors and Interfacing (with Sessional) |
| 20 | EECE | Communication Theory (with Sessional) |
| 21 | EECE | Digital Signal Processing 1 (with Sessional) |
| 22 | EECE | VLSI 1 (with Sessional) |
| 23 | EECE | Solid State Devices |
| 24 | EECE | Control System 1 (with Sessional) |
| 25 | EECE | Industrial Training |
| 26 | EECE | Capstone Project and Thesis 1 |
| 27 | EECE | Capstone Project and Thesis 2 |
| **CORE: SCIENCE AND TECHNOLOGY** | | |
| 01 | MATH | Differential and Integral Calculus |
| 02 | MATH | Vector Analysis, Matrices and Geometry |
| 03 | MATH | Ordinary and Partial Differential Equation |
| 04 | MATH | Complex Variables and Statistics |
| 05 | PHY | Waves and Oscillation, Optics and Thermal Physics (with Sessional) |
| 06 | PHY | Electricity and Magnetism, Modern Physics and Mechanics (with Sessional) |
| 07 | CHE | Chemistry 1 |
| 08 | CHE | Inorganic and Quantitative Analysis Sessional |
| 09 | CSE | Computer Programming (with Sessional) |
| 10 | ME | Fundamental of Mechanical Engineering (with Sessional) |
| 11 | IPE | Industrial Management |
| **ELECTIVES: ELECTRICAL POWER (Any Six Courses)** | | |
| 01 | EECE | Poser System 2 |
| 02 | EECE | Power Electronics (with Sessional) |
| 03 | EECE | Power Plant Engineering |
| 04 | EECE | Power System Protection (with Sessional) |
| 05 | EECE | High Voltage Engineering (with Sessional) |
| 06 | EECE | Power System Reliability |
| 07 | EECE | Power System Operation and Control |
| 08 | EECE | Electrical Machines 3 / Energy Conversion 3 |
| **ELECTIVES: ELECTRONICS (Any Six Courses)** | | |
| 01 | EECE | Processing and Fabrication Technology |
| 02 | EECE | Analog Integrated Circuits |
| 03 | EECE | Compound Semiconductor and Hetero-junction Devices |
| 04 | EECE | VLSI 2 (with Sessional) |
| 05 | EECE | Optoelectronics |
| 06 | EECE | Semiconductor Device Theory |
| 07 | EECE | Power Electronics (with Sessional) |
| **ELECTIVES: COMMUNICATION (Any Six Courses)** | | |
| 01 | EECE | Telecommunication Engineering |
| 02 | EECE | Digital Signal Processing 2 |
| 03 | EECE | Microwave Engineering (with Sessional) |
| 04 | EECE | Optical Fiber Communication |
| 05 | EECE | Digital Communication (with Sessional) |
| 06 | EECE | Mobile Cellular Communication |
| 07 | EECE | Random Signals and Processes |
| 08 | EECE | Satellite Communication (with Sessional) |
| 09 | EECE | Communications Network (with Sessional) |
| **ELECTIVES: INTERDISCIPLINARY (Any One Course)** | | |
| 01 | EECE | Control System 2 (with Sessional) |
| 02 | EECE | Numerical Methods (with Sessional) |
| 03 | EECE | Biomedical Instrumentation (with Sessional) |
| 04 | EECE | Radar Engineering (with Sessional) |
| 05 | EECE | Sonar and Underwater Engineering (with Sessional) |
| 06 | EECE | Electronic Warfare (with Sessional) |
| 07 | EECE | Avionics Engineering (with Sessional) |
| 08 | EECE | Biomedical Signal Processing (with Sessional) |
| 09 | CSE | Microprocessor System Design (with Sessional) |