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| **Mechanical Engineering**  Bangladesh University of Engineering and Technology | | |
| **CORE: ME** | | |
| 01 | ME | Introduction to Mechanical Engineering |
| 02 | ME | Engineering Mechanics 1 |
| 03 | ME | Engineering Mechanics 2 (with Sessional) |
| 04 | ME | Mechanics of Solids (with Sessional) |
| 05 | ME | Mechanics of Machinery (with Sessional) |
| 06 | ME | Fluid Mechanics 1 |
| 07 | ME | Fluid Mechanics 2 (with Sessional) |
| 08 | ME | Fluid Machinery (with Sessional) |
| 09 | ME | Engineering Thermodynamics (with Sessional) |
| 10 | ME | Heat Transfer (with Sessional) |
| 11 | ME | Numerical Analysis (with Sessional) |
| 12 | ME | Instrumentation and Measurement |
| 13 | ME | Machine Design (with Sessional) |
| 14 | ME | Heat Transfer Equipment Design |
| 15 | ME | Internal Combustion Engines |
| 16 | ME | Heat Engines Sessional |
| 17 | ME | Power Plant Engineering (with Sessional) |
| 18 | ME | Thermo-Fluid System Design Sessional |
| 19 | ME | Electro-Mechanical System Design and Practice Sessional |
| 20 | ME | Mechanical Engineering Drawing 1 Sessional |
| 21 | ME | Mechanical Engineering Drawing 2 Sessional |
| 22 | ME | Industrial Training |
| 23 | ME | Project and Thesis 1 |
| 24 | ME | Project and Thesis 1 |
| **CORE: SCINECE AND TECHNOLOGY** | | |
| 01 | MATH | Differential Calculus, Solid Geometry, Vectors |
| 02 | MATH | Integral Calculus, Differential Equations |
| 03 | MATH | Vector Calculus, Matrices, Laplace Transform, Series Solution |
| 04 | MATH | Complex Variables, Harmonic Analysis, Partial Differential Equations |
| 05 | PHY | Structure of Matter, Electricity and Magnetism, Modern Physics (with Sessional) |
| 06 | PHY | Waves and Oscillation, Geometrical Optics and Wave Mechanics (with Sessional) |
| 07 | CHE | Chemistry 1 |
| 08 | CHE | Inorganic Quantitative Analysis Sessional |
| 09 | CHE | Chemistry of Engineering Materials |
| 10 | MME | Metallic Materials (with Sessional) |
| 11 | EEE | Fundamentals of Electrical Engineering (with Sessional) |
| 12 | EEE | Electrical and Electronics Technology (with Sessional) |
| 13 | CSE | Computer Programming Language (with Sessional) |
| 14 | IPE | Production Processes (with Sessional) |
| 15 | IPE | Measurement and Quality Control (with Sessional) |
| 16 | IPE | Machine Tools (with Sessional) |
| 17 | IPE | Industrial Management |
| 18 | SHOP | Foundry and Welding Shops Sessional |
| 19 | SHOP | Machine Shop Practice Sessional |
| **ELECTIVES (Any Five Courses)** | | |
| 01 | ME | Advanced Thermodynamics |
| 02 | ME | Combustion and Pollution |
| 03 | Me | Noise and Vibration |
| 04 | ME | Control Engineering |
| 05 | ME | Similitude in Engineering Mechanics |
| 06 | ME | Fluids Engineering |
| 07 | ME | Design of Fluid Machines |
| 08 | ME | Biomedical Fluid Mechanics |
| 09 | ME | Fluidics |
| 10 | ME | Gas Dynamics |
| 11 | ME | Aerodynamics |
| 12 | ME | Composite Materials |
| 13 | ME | Plastics Process Technology |
| 14 | ME | Petroleum Engineering |
| 15 | ME | Nuclear Engineering |
| 16 | ME | Renewable Energy |
| 17 | ME | Energy and Environment |
| 18 | ME | Applied Engineering Mathematics |
| 19 | ME | Applied Statistics |
| 20 | ME | Bio-Engineering |
| 21 | ME | Theory of Structures |
| 22 | ME | Refrigeration and Building Mechanical System |
| 23 | ME | Textile Technology |
| 24 | ME | Mechatronics |
| 25 | ME | Automobile Engineering |
| 26 | ME | Robotics |