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| **Industrial and Production Engineering**  Bangladesh University of Engineering and Technology | | |
| **CORE: IPE** | | |
| 01 | IPE | Manufacturing Processes 1 (with Sessional) |
| 02 | IPE | Manufacturing Processes 2 (with Sessional) |
| 03 | IPE | Measurement, Instrumentation and Control (with Sessional) |
| 04 | IPE | Product Design 1 (with Sessional) |
| 05 | IPE | Product Design 2 (with Sessional) |
| 06 | IPE | Material Handling and Maintenance Management (with Sessional) |
| 07 | IPE | Quality Management (with Sessional) |
| 08 | IPE | Numerical Analysis |
| 09 | IPE | Principles of Cost and Management Accounting |
| 10 | IPE | Engineering Economy |
| 11 | IPE | Operations Research |
| 12 | IPE | Operations Management |
| 13 | IPE | Project and Environmental Management |
| 14 | IPE | Ergonomics and Safety Management (with Sessional) |
| 15 | IPE | Supply Chain Management |
| 16 | IPE | Industrial and Business Management |
| 17 | IPE | Machine Tools (with Sessional) |
| 18 | IPE | CAD/CAM (with Sessional) |
| 19 | IPE | Engineering Graphics Sessional |
| 20 | IPE | Engineering Graphics and Introduction to CAD Sessional |
| 21 | IPE | Business Communication Seminar 1 |
| 22 | IPE | Business Communication Seminar 2 |
| 23 | IPE | Industrial Practice / Industrial Simulation Sessional |
| 24 | IPE | Project and Thesis 1 |
| 25 | IPE | Project and Thesis 2 |
| **CORE: SCINECT AND TECHNOLOGY** | | |
| 01 | MATH | Differential and Integral Calculus |
| 02 | MATH | Vector, Matrix, Solid Geometry |
| 03 | MATH | Differential Equation, Vector Calculus, Laplace Transform |
| 04 | MATH | Probability and Statistics |
| 05 | PHY | Structure of Matter, Electricity and Magnetism, Modern Physics (with Sessional) |
| 06 | PHY | Waves and Oscillations, Physical Optics and Wave Mechanics (with Sessional) |
| 07 | CHE | Chemistry |
| 08 | CHE | Inorganic Quantitative Analysis Sessional |
| 09 | CHE | Chemistry of Materials |
| 10 | MME | Engineering Materials 1 |
| 11 | MME | Engineering Materials 2 (with Sessional) |
| 12 | EEE | Basic Electrical and Electronic Circuit (with Sessional) |
| 13 | EEE | Electrical Machines and Electronics (with Sessional) |
| 14 | CSE | Computer Programming Techniques (with Sessional) |
| 15 | ME | Engineering Mechanics and Theory of Machines |
| 16 | ME | Mechanics of Solids (with Sessional) |
| 17 | ME | Thermodynamics and Heat Transfer (with Sessional) |
| 18 | ME | Fluid Mechanics and Machinery (with Sessional) |
| 19 | ME | Mechanical Engineering Drawing 1 Sessional |
| 20 | SHOP | Machine Shop Sessional |
| 21 | SHOP | Foundry and Welding Shop Sessional |
| **ELECTIVE (Any Two Courses)** | | |
| 01 | IPE | Computer Integrated Manufacturing |
| 02 | IPE | Micro-manufacturing |
| 03 | IPE | Intelligent Manufacturing |
| 04 | IPE | CNC Machine Tools |
| 05 | IPE | Modern Machinery and Machining Processes |
| 06 | IPE | Control Engineering |
| 07 | IPE | Total Quality Management |
| 08 | IPE | Energy Management |
| 09 | IPE | Technology Management |
| 10 | IPE | Information Technology in Business |
| 11 | IPE | Robotics |