

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