

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