



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर

Indian Institute of Technology Bhubaneswar

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Curriculum for B. Tech. (Mechanical Engineering) 3rd Sem to 8th Sem

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Subject Name	Subject Code	L-T-P	Credit	Contact Hour
SEMESTER - III				
Theory of Machines - I	ME2L001	3-1-0	4	4
Basic Electronics	EC2L005	3-1-0	4	4
Transform Calculus (<i>Mathematics – V</i>)	MA2L005	3-0-0	3	3
Introduction to Material Science and Engineering	ID2L001	2-0-0	2	2
Introduction to Bioscience and Technology	ID2L002	2-0-0	2	2
Fluid Mechanics		3-1-0	4	4
Workshop Processes	ME2P001	0-0-3	2	3
Basic Electronics Laboratory	EC2P005	0-0-3	2	3
Fluid Mechanics Laboratory	ME2P002	0-0-3	2	3
Project Seminar	ME2S001	0-0-0	2	0
		Total	27	28
SEMESTER – IV				
Thermodynamics	ME2L003	3-0-0	3	3
Partial Differential Equations(<i>Mathematics – IV</i>)	MA2L004	3-1-0	4	4
Environmental Science, Technology and Management	ID3L003	2-0-0	2	2

Breadth-1			3/4	3/4
Mechanics of Solids	ME2L004	3-1-0	4	4
Theory of Machines - II	ME2L005	3-1-0	4	4
Lateral - 1			3/4	3/4
Machines & Mechanisms Laboratory	ME2P003	0-0-3	2	3
Materials Testing Laboratory	ME2P004	0-0-3	2	3
		Total	27/29	29/31
SEMESTER – V				
Lateral Theory-2			3/4	3/4
Heat Transfer	ME3L001	3-1-0	4	4
Design of Machine Elements	ME3L002	3-0-0	3	3
Casting, Welding and Forming	ME3L003	3-0-0	3	3
Systems & Control	ME3L004	3-0-0	3	3
Thermo-Fluid Lab - 1	ME3P001	0-0-3	2	3
Casting, Welding and Forming Laboratory	ME3P002	0-0-3	2	3
Machine Design Practice	ME3P003	0-0-3	2	3
		Total	22/23	25/26
SEMESTER - VI				
Lateral Theory-3	ME3LXXX		3/4	3/4
IC Engines	ME3L005	3-0-0	3	3
Refrigeration & Air-Conditioning	ME3L006	3-0-0	3	3
Elective-1	ME3LXXX	3-0-0	3	3
Machine Tool & Machining (MTM)	ME3L007	3-0-0	3	3
Power Plant Engineering	ME3L008	3-0-0	3	3
Thermo-Fluid Lab - 2	ME3P004	0-0-3	2	3

MTM Laboratory	ME3P005	0-0-3	2	3
		Total	22/23	24/25
INDUSTRIAL SUMMER TRAINING				
Subject Name	Subject Code	L-T-P	Credit	Contact Hour
SEMESTER - VII				
Elective - 2	ME4LXXX/ME6LXXX	3-0-3	5	6
Elective – 3	ME4LXXX/ME6LXXX	3-0/1-0	3/4	3/4
Breadth - 2		3-0/1-0	3/4	3/4
Industrial Training Defense	ME4T001	0-0-0	2	0
Project – Part 1	ME4D001	0-0-0	4	0
		Total	17/19	12/14
SEMESTER - VIII				
Breadth - 3		3-0-0	3	3
Breadth - 4		3-0-0	3	3
Elective – 4	ME4LXXX/ ME6LXXX	3-0/1-0	3/4	3/4
Elective – 5	ME4LXXX/ ME6LXXX	3-0-0	3	3
Project – Part 2	ME4D002	0-0-0	6	0
		Total	18/20	12/13
		G. Total	178/188	
		<i>*Excluding EAA-1 & 2</i>		