

**Annexure-II**  
**Curriculum :: Semester-wise distribution of courses** (Mechanical Engineering)

B.Tech

Sem	Course detail								Total credits in the semester
	SN	Code	Title	L	T	P	Cr	CH	
I	1	CH103	Chemistry	3	0	1	4	5	18
	2	MS104	Mathematics I	3	1	0	4	4	
	3	PH103	Physics I	2	0	1	3	4	
	4	EE103	Basic Electrical Engineering	3	0	0	3	3	
	5	EE104	Basic Electrical Engineering Lab	0	0	1	1	2	
	6	EF103	English	2	0	1	3	4	
	7	SE100	Induction Program	-	-	-	-	8	
II	1	PH104	Physics II	2	0	0	2	2	24
	2	MS105	Mathematics II	3	1	0	4	4	
	3	EC102	Basic Electronics	2	1	1	4	5	
	4	ME102	Engineering Mechanics	3	1	0	4	4	
	5	ME103	Workshop Practice	0	0	2	2	4	
	6	CO103	Introductory Computing	3	0	0	3	3	
	7	CO104	Computing Laboratory	0	0	2	2	4	
	8	CE103	Engineering Graphics	1	0	2	3	5	
III	1	MS205	Mathematics III	3	0	0	3	3	21
	2	BA201	Economics	3	0	0	3	3	
	3	ME201	Solid Mechanics	3	1	0	4	4	
	4	ME202	Fluid Mechanics I	2	1	0	3	3	
	5	ME203	Material Science	3	0	0	3	3	
	6	ME208	Manufacturing Technology I	3	0	0	3	3	
	7	ME217	ME Lab (Design) I	0	0	2	2	4	
	8	ES201*	Environmental Science	1	0	1	0	3	
IV	1	BT201	Biology	3	0	0	3	3	19
	2	ME205	Thermodynamics	3	1	0	4	4	
	3	ME209	Fluid Mechanics II	2	1	0	3	3	
	4	ME214	Kinematics of Machinery	2	1	0	3	3	
	5	ME215	Mechanical Measurements and Instrumentation	3	0	0	3	3	
	6	ME216	Manufacturing Technology II	3	0	0	3	3	
V	1	ME308	Heat and Mass Transfer	3	1	0	4	4	22
	2	ME311	Machine Design I	2	1	0	3	3	
	3	ME313	Dynamics of Machinery	3	0	0	3	3	
	4	ME314	Applied Thermodynamics	3	1	0	4	4	
	5	ME315	ME Lab (Manufacturing) II	0	0	2	2	4	
	6		ME-Elective I	3	0	0	3	3	
	7		Open Elective I	3	0	0	3	3	
	8	LW301*	Indian Constitution	1	0	0	0	1	
VI	1	IC361	Accounting and Finance Management	3	0	0	3	3	22
	2	ME312	Machine Design II	3	0	0	3	3	
	3	ME316	Computer-Aided Engineering	1	0	2	3	5	
	4	ME317	ME Lab (Thermal) III	0	0	2	2	4	
	5	ME318	Mini Project	0	0	2	2	4	
	6		ME-Elective II	3	0	0	3	3	
	7		ME Elective III	3	0	0	3	3	
	8		Open Elective II	3	0	0	3	3	
VII	1	XXxxx	HSS/Management Elective	3	0	0	3	3	21
	2	ME401	Industrial Systems Engineering	3	0	0	3	3	
	3	ME471**	Industrial Summer Training #	-	-	-	2	0	
	4	ME483	Project I	0	0	4	4	8	
	5		ME Elective IV	3	0	0	3	3	
	6		ME Elective V	3	0	0	3	3	
	7		Open Elective III	3	0	0	3	3	
	8	CT465*	Essence of Indian Traditional Knowledge	1	0	0	0	1	
# Industrial Summer Training: Training shall be of 8 weeks duration carried out during the summer break after the 6 <sup>th</sup> semester. The report will be submitted in the 7 <sup>th</sup> semester.									
VIII	1		ME Elective VI	3	0	0	3	3	14
	2		Open Elective IV	3	0	0	3	3	
	3	ME484	Project II	0	0	8	8	16	
<b>Total</b>				<b>114</b>	<b>12</b>	<b>33</b>	<b>161</b>	<b>205</b>	<b>161</b>

*B.A.*  
**Controller of Examinations**  
**Tezpur University**  
**Tezpur, Assam**