

Semester 1			17	Semester 2			19	Floating Electives: Sem 1 & 2			0
BE/BSC	ID1041	Engg. Drawing	2	BE/BSC	ID1054	Digital Fabrication	2	Total Credits to be done in Year-1 = 17 + 19 + 0 = 36			
BE/BSC	ID1063	Introduction to Programming	3	DTH	ME1080	Introduction to Engg. Materials	2				
BE/BSC	ID1171	Fabrication Lab – 1	2	BE/BSC	ID1091	Fabrication Lab – 2	2				
BE/BSC	BT1010	Introduction to Life Sciences	1	BE/BSC	EP1031	Physics Lab	2				
BE/BSC	EP1108	Modern Physics	2	BE/BSC	MA1140	Elementary Linear Algebra	1				
BE/BSC	XX1xxx	(MA1110: Calculus-I + MA1220: Calculus-II) or (EP1118: Maths for	2	DTH	ME1070	Differential Equations for Mechanical Enginee	3				
DTH	ME1060	Introduction to Mechanical Systems	3	DTH	ME2120	Thermodynamics	3				
LA/CA/EN	LA1760	Communication Skills	2	DTL	ME1013	Art of Electronics	3				
				LA/CA/EN	LAXXXX	LA/CA/EM/HST/CA Electives	1				
Semester 3			18	Semester 4			15	Floating Electives: Sem 3 & 4			4
AI	ME2010	AI/ML for Mechanical Systems	3	DLB	ME2141	Solid Mechanics Lab – 2	1	EFR	XXXXXX	Free Electives	3
AI	MA2110	Probability	1	DLB	ME2161	Fluid Mechanics Lab – 2	1	LA/CA/EM	LAXXXX	LA/CA/.. Electives	1
DLB	ME2131	Solid Mechanics Lab – 1	1	DTH	ME2210	Dynamics: Theory and Computations	3	Total Credits to be done in Year-2 = 18 + 15 + 4 = 37			
DLB	ME2151	Fluid Mechanics Lab – 1	1	DTH	ME2140	Solid Mechanics – 2	2				
DTH	ME2130	Solid Mechanics – 1	2	DTH	ME2160	Fluid Mechanics – 2	2				
DTH	ME2150	Fluid Mechanics – 1	2	DTH	ME3010	Manufacturing Science - 2	3				
DTH	ME2230	Manufacturing Science - 1	3	DTH	ME3110	Heat transfer and rate processes	3				
DTL	ME2253	Sensors and Signal analysis	3								
BE/BSC	CY1010	Environmental Chemistry	2								
Semester 5			13	Semester 6			13	Floating Electives: Sem 5 & 6 (non-interns)			8
DLB	ME3441	Heat Transfer Lab	1	For Students not doing Internship:				LA/CA/EM	LAXXXX	LA/CA/.. Electives	2
DLB	ME3465	Manufacturing Lab	1	EFR	XXxxxx	Free Electives	3	EDP	MEXXXX	Dept. Electives	3
DTH	ME2220	Kinematics and Dynamics of Machinery	3	EDP	MEXXXX	Dept. Electives	3	EFR	XXxxxx	Free Electives	3
DTH	ME3480	Computer Aided Design and Manufactu	3	AI	ME3351	Automation Lab	1	Total Credits to be done in Year-3 (non-internship students)= 13 + 13 + 8 = 34 Total Credits to be done in Year-3 (internship students)= 13+ 5 + 6 = 24			
DTH	ME4010	Control Systems	2	DLB	ME3361	Controls Lab	1				
DTL	ME3183	A Practical Introduction to FEM	3	DLB	ME3371	Dynamics Lab	1				
				DLB	ME3171	Design of Machine Elements: Lab	1				
				DTH	ME3170	Design of Machine Elements	3				
For Departmental Internship Students (Additional) :			5	For Internship Students :							
LA/CA/EN	LAXXXX	LA/CA/.. Electives	2	EDP	ME3405	Industry internship	6				
EFR	XXxxxx	Free Electives	3	OR							
For Free Internship Students (Additional) :			5	EFR	ID3405	Industry internship	6				
LA/CA/EN	LAXXXX	LA/CA/.. Electives	2								
EDP	MEXXXX	Dept. Electives	3								
Semester 7			10	Semester 8			1	Floating Electives: Sem 7 & 8			12
DTH	ME3200	Systems Thinking	1	LA/CA/EA	ID4006	Ethics and Values	1	EFR	XXxxxx	Free Electives	4
DTL	ME4063	Product Design & Realization	3	For Internship Students (Additional) :			7	LA/CA/EA	LAXXXX	LA/CA/.. Electives	3
DTH	ME3240	Industrial Engg. and Operations Resear	2	AI	ME3351	Automation Lab	1	EDP	MEXXXX	Dept. Electives	5
AI	ME3250	Industrial Internet of Things (IIoT)	1	DLB	ME3361	Controls Lab	1	For Departmental Internship Students :			
DTL	ME3193	A Practical Introduction to CFD	3	DLB	ME3371	Dynamics Lab	1	Floating Electives: Sem 7 & 8			15
				DLB	ME3171	Design of Machine Elements: Lab	1	EFR	XXxxxx	Free Electives	7
				DTH	ME3170	Design of Machine Elements	3	LA/CA/EA	LAXXXX	LA/CA/.. Electives	3
								EDP	MEXXXX	Dept. Electives	5
								For Free Internship Students :			
								Floating Electives: Sem 7 & 8			15
								EFR	XXxxxx	Free Electives	4
								LA/CA/EA	LAXXXX	LA/CA/.. Electives	3
								EDP	MEXXXX	Dept. Electives	8
								Total Credits to be done in Year-4 =10 + 1 +12 = 23 Students doing Internship Year-4 = 10+8+15 = 33			
BE/BSC	Basic Eng	AI	AI/ML	EFR	Electives	ELA	Electives-LA/EM/HST/CA/Sports				
DLB	Dept. Lab	DTH	Dept. The	DTL	Dept. Th	EDP	Electives-Dept.				