


LEVEL ONE TERM TWO

Course Number	Course Name	Credit Hour	Pre-requisite Course(s)
Chem 133	Physical Chemistry	3.00	
Chem 135	Inorganic Chemistry	3.00	
Chem 136	Physical and Inorganic Chemistry Laboratory	1.50	
Hum 102	English Language Practice Sessional	1.50	
Math 175	Partial Differential Equation and Vector Analysis	3.00	
ME 141	Engineering Mechanics	3.00	Math 171
Phy 169	Physics - II	3.00	
Shop 182	Machine Shop, Sheet Metal and Carpentry	1.50	
Total Credits		19.50	



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LEVEL TWO TERM TWO

Course Number	Course Name	Credit Hour	Pre-requisite Course(s)
Math 275	Probability and Statistics	3.00	
MME 206	Chemical Metallurgy Laboratory	1.50	
MME 208	Computer Applications to Materials Engineering	1.50	CSE 287, CSE 288
MME 213	Phase Diagrams and Transformations	3.00	
MME 214	Microstudy and Heat Treatment Laboratory	1.50	
MME 217	Kinetics and Transport Phenomena in Materials	3.00	
MME 219	Corrosion and Degradation of Metals and Alloys	3.00	
OPTION 1	General Option 1		
ME 261	Numerical Analysis	3.00	
MME 281	Computational Methods for Materials Engineering	3.00	
Total Credits		19.50	



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LEVEL THREE TERM TWO

Course Number	Course Name	Credit Hour	Pre-requisite Course(s)
MME 300	Industrial Training	1.50	
MME 303	Metal Joining and Forming Processes	4.00	MME 313
MME 304	Metal Joining and Forming Processes Laboratory	1.50	
MME 305	Glass and Ceramic Materials	3.00	
MME 307	Polymeric Materials and Composites	3.00	
MME 308	Materials Laboratory I	1.50	
MME 310	Capstone Project	1.50	
MME 315	Characterisations of Materials	3.00	MME 211
MME 316	Characterisations of Materials Laboratory	1.50	
Total Credits		20.50	



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LEVEL FOUR TERM ONE

Course Number	Course Name	Credit Hour	Pre-requisite Course(s)
IPE 491	Engineering Management	3.00	
MME 400	Project and Thesis	1.50	
MME 411	Principles of Materials Characterisation	3.00	MME 211, MME 323
MME 440	Materials Processing Plant Design	0.75	
MME 443	Physical Metallurgy of Steel and Heat Treatment	3.00	MME 213
MME 444	Heat Treatment and Microstructure Sessional	1.50	
MME 475	Polymers and Composites	3.00	
MME 476	Polymers and Composites Sessional	0.75	
MME 323	Physical Properties of Materials	3.00	
Total Credits		19.50	



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