

LEVEL ONE TERM ONE**Level – 1 / Term –I**

Course Number	Course Title	Credit Hour	Pre-Requisite Courses(s)
EEE 155	Electrical Engineering Fundamentals	3.00	
EEE 156	Electrical Engineering Fundamentals Sessional	1.50	
Hum 123	English	3.00	
Math 171	Calculus and Ordinary Differential Equation	3.00	
MME 101	Materials Engineering Fundamentals	3.00	
MME 102	Materials Engineering Fundamentals Laboratory	1.50	
Phy 102	Physics Sessional	1.50	
Phy 125	Physics – I	3.00	
	Total Credits	19.50	

Dr. A. K. M. Bazlur Rashid

Professor and Head

LEVEL ONE TERM TWO

Level – 1 / Term –II

Course Number	Course Title	Credit Hour	Pre-Requisite Courses(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	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	

Dr. A. K. M. Bazlur Rashid

Professor and Head

LEVEL TWO TERM TWO

Level – 2 / Term – II

Course Number	Course Title	Credit Hour	Pre-Requisite Courses(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	
	Total Credits	19.50	

Dr. A. K. M. Bazlur Rashid

Professor and Head

LEVEL THREE TERM TWO

Level –3 / Term –II

Course Number	Course Title	Credit Hour	Pre-Requisite Courses(s)
MME 300	Industrial Placement	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	Characterization of Materials	3.00	MME 211, MME 311
MME 316	Characterization of Materials Laboratory	1.50	
	Total Credits	20.50	

Dr. A. K. M. Bazlur Rashid

Professor and Head

LEVEL FOUR TERM TWO

Level -4 / Term -II

Course Number	Course Title	Credit Hour	Pre-Requisite Courses(s)
MME 400	Project and Thesis	3.00	
MME 410	Failure Analysis and Artefact Study	1.50	
MME 411	Materials Selection and Design	3.00	
IPE 493N	Industrial Management	3.00	
OPTION 6	MME Option 3		
MME 457	Solar Cell, Fuel Cell and Batteries	3.00	
MME 461	Nuclear Materials	3.00	
OPTION 7	General Option 2		
ChE 487	Environmental Science and Engineering	3.00	
IPE 483	Production Planning and Control	3.00	
OPTION 8	HUM Option 3		
Hum 417	Sociology for Science and Technology	3.00	
Hum 421	Professional Ethics	3.00	
	Total Credits	19.50	

Dr. A. K. M. Bazlur Rashid

Professor and Head