

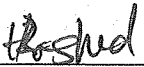
LEVEL ONE TERM ONE

Course Number	Course Name	Credit Hour	Pre-requisite Course(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	

Hashud 08 JUN 2026
 Prof. H M Mamun Al Rashed
 Head

LEVEL TWO TERM ONE

Course Number	Course Name	Credit Hour	Pre-requisite Course(s)
CSE 287	Computer Programming	3.00	
CSE 288	Computer Programming Sessional	1.50	
IPE 204	Engineering Graphics and Introduction to CAD	1.50	
MATH 273	Matrices, Series Solutions and Fourier Analysis	3.00	
MME 202	Professional Development and Communication Skills	1.50	
MME 211	Crystallography and Structure of Materials	3.00	
MME 215	Thermodynamics of Materials	3.00	
PHY 201	Physics - III	3.00	
Total Credits		19.50	

 08 JUN 2026
Prof. H M Mamun Al Rashed
Head

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 (Select One from Sub-module 8.6)	3.00	
	ME 261 Numerical Analysis		
Total Credits		19.50	

Hashed 08 JUN 2026

Prof. H M Mamun Al Rashed
Head

LEVEL THREE TERM ONE

Course Number	Course Name	Credit Hour	Pre-requisite Course(s)
MME 301	Metal Casting and Powder Processes	4.00	
MME 302	Metal Casting and Powder Processes Laboratory	1.50	
MME 309	Ferrous Production Metallurgy	3.00	
MME 310	Capstone Project	1.50	
MME 311	Electrical, Optical and Magnetic Properties of Materials	3.00	
MME 313	Mechanical Behaviour of Materials	3.00	
MME 314	Mechanical Behaviour of Materials Laboratory	1.50	
OPTION 2	HUM Option 1 (Select One from Sub-module 8.3)	3.00	
	Hum 317 Financial, Cost and Managerial Accounting		
	Hum 319 Business Law		
	Hum 323 Engineering Economics		
Total Credits		20.50	

H M Mamun Al Rashed JUN 2026

Prof. H M Mamun Al Rashed
Head

LEVEL FOUR TERM ONE

Course Number	Course Name	Credit Hour	Pre-requisite Course(s)
MME 400	Project and Thesis	3.00	
MME 401	Physical Metallurgy of Ferrous Alloys	3.00	MME 213
MME 405	Nanostructured Materials and Thin Films	3.00	
MME 408	Materials laboratory II	1.50	
OPTION 3	MME Option 1 (Select One from Sub-module 8.1)	3.00	
	MME 421 Metal Extraction and Recycling		
OPTION 4	MME Option 2 (Select One from Sub-module 8.1)	3.00	
	MME 435 Advanced Ceramics		
OPTION 5	HUM Option 2 (Select One from Sub-module 8.4)	3.00	
	Hum 405 Economics of Development and Planning		
	Hum 419 Introduction to e-Governance		
Total Credits		19.50	

H M Mamun Al Rashed
 08 JUN 2026
 Prof. H M Mamun Al Rashed
 Head