

**LEVEL ONE TERM ONE**

<b>Course Number</b>	<b>Course Name</b>	<b>Credit Hour</b>	<b>Pre-requisite Course(s)</b>
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	
<b>Total Credits</b>		<b>19.50</b>	
Total Number of Courses		8	

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**LEVEL TWO TERM ONE**

<b>Course Number</b>	<b>Course Name</b>	<b>Credit Hour</b>	<b>Pre-requisite Course(s)</b>
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	
<b>Total Credits</b>		<b>19.50</b>	
Total Number of Courses		8	

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**LEVEL THREE TERM ONE**

<b>Course Number</b>	<b>Course Name</b>	<b>Credit Hour</b>	<b>Pre-requisite Course(s)</b>
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	ME 141
MME 314	Mechanical Behaviour of Materials Laboratories	1.50	
OPTION 2	HUM Option 1	3.00	
Hum 317	Financial, Cost and Managerial Accounting		
Hum 319	Business Law		
Hum 323	Engineering Economics		
<b>Total Credits</b>		<b>20.50</b>	

Total Number of Courses

8

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**LEVEL FOUR TERM ONE**

<b>Course Number</b>	<b>Course Name</b>	<b>Credit Hour</b>	<b>Pre-requisite Course(s)</b>
MME 300	Industrial Training	1.50	
MME 400	Project and Thesis	3.00	
MME 401	Physical Metallurgy of Ferrous Alloys	3.00	MME 213
MME 405	Materials Processing for Micro- & Nano-Systems	3.00	
MME 408	Materials Laboratory 2	1.50	
OPTION 3	MME Option 1	3.00	
MME 427	Surface Engineering and Tribology		
OPTION 4	MME Option 2	3.00	
MME 435	Advanced Ceramics		
OPTION 5	HUM Option 2	3.00	
Hum 405	Economics of Development and Planning		
Hum 419	Introduction to E-Governance		
<b>Total Credits</b>		<b>21.00</b>	
Total Number of Courses		8	

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**LEVEL FOUR TERM TWO**

<b>Course Number</b>	<b>Course Name</b>	<b>Credit Hour</b>	<b>Pre-requisite Course(s)</b>
MME 400	Project and Thesis	3.00	
MME 442	Failure of Materials and Artefact Study	1.50	
MME 445	Metallic Alloys and Materials Selection	3.00	MME 443
MME 447	Industrial Metal Working Processes	3.00	ME 243 or MME 233
MME 457	Powder Metallurgy	2.00	
MME 458	Metal Forming Sessional	0.75	
MME 467	Ceramics for Advanced Applications	3.00	
IPE 483	Production Planning and Control	3.00	
<b>Total Credits</b>		<b>19.25</b>	
Total Number of Courses		8	

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