

Modified E1 (R14) Curriculum for Dept. of Metallurgical and Materials Engineering (RKV Campus)	
E1 Sem1	
Name of the Course	Credits
E1S1	
Name of the Course	Credits
Engineering Mechanics	4
Engineering Chemistry	4
Workshop	3
FAPDE	4
Engineering Physics	4
Engineering Chemistry Lab	2
Engineering Physics Lab	2
Managerial Economics	4
Human Values	
Total Credits	27
E1 Sem2	
Name of the Course	Credits
Mineral Processing & Extractive Metallurgy	4
Physical Metallurgy	4
Metallurgical Thermodynamics	4
Engineering Drawing	4
Engineering Maths-2	4
Mineral Processing & Extractive Metallurgy Lab	2
Physical Metallurgy Lab	2
Advanced English Lab-I	2
Total Credits	26
E1 Summer Sem	
Name of the Course	Credits
C & Data Structure	4
C & Data Structure Lab	2
Advanced English Lab-II	2
Total Credits	8
E2 Sem1	
Name of the Course	Credits
Phase Transformation and Heat Treatment	4
Iron Making	4
Metal Forming Technology	4
Mechanical Behavior of Materials	4
Introduction to Ceramic Technology	4
Phase Transformation and Heat Treatment Lab	2
Mechanical Behavior of Materials Lab	2
Advanced English Lab-III	2
Total Credits	26

E2 Sem2	
Name of the Course	Credits
Steel Making	4
Materials Characterization Techniques	4
Foundry Technology	4
Non Destructive Techniques	4
Metal Joining Technologies	4
Materials Characterization Techniques Lab	2
Foundry Technology Lab	2
Advanced English Lab-IV	2
Non Destructive Techniques	2
Total Credits	28
E2 Summer Sem	
Name of the Course	Credits
Non Ferrous Extractive Metallurgy	4
Metal Forming and Materials Joining Technology Lab	2
Total Credits	6
E3 Sem1	
Name of the Course	Credits
Elective	4
Elective	4
Elective + Lab	6
Free Elective	4
Mini Project	4
Total Credits	22
E3 Sem2	
Name of the Course	Credits
Elective	4
Elective	4
Elective + Lab	6
Free Elective	4
Mini Project	4
Total Credits	22
E3 Summer Sem	
Name of the Course	Credits
Summer Internship	4
Total Credits	4
E4 Sem1	
Name of the Course	Credits
Elective	4
Elective	4
Free Elective	4
Project	6
Total Credits	18

E4 Sem2	
Name of the Course	Credits
Elective	4
Elective	4
Free Elective	4
Project	6
Community Service	2
Total Credits	20
Grand Total Credits	207

Engineering Polymers (Compulsory in E3S1)
Fuel, Furnace and Refractories (Compulsory in E3S1)
Corrosion and Environmental Degradation of Materials+Lab (Compulsory in E3S1)