

Curriculum of the MS in Mineral Processing Engineering

The curriculum of the proposed program is in line with HEC guidelines. Following HEC guideline, for the successful completion and award of the proposed degree, candidates will either need to complete 30 credit hours of course work or complete 24 credit hours of course work along with a minimum of 6 credit hours for research work/thesis.. The courses are listed in Table 1.

Table 1: Curriculum of the MS in Mineral Processing Engineering

S. No.	Course Code	Course name	Credit
Core courses			
1	SS - 801	Research Methodology	Non – CH Course
2	MPE- 821	Modelling and Simulation of Mineral Processing Systems	3
3	CHE - 816	Two-Phase Flow Theory	3
4	MPE- 831	Mineral Processing	3
5	CH - 813	Interface and Solution Chemistry	3
Electives courses			
6	MPE- 842	Process Mineralogy	3
7	CHE - 863	Design and Feasibility of Mineral Processing Plants	3
8	CHE -847	Waste Problems and Treatments	3
9	MPE- 851	Extractive Metallurgy	3
10	MRE- 832	Sustainability in Mineral Processing Industry	3
11	CHE-828	Bioprocessing of Minerals and Their Wastes	3
12	CHE-817	Solution Mining	3
13	CHE-829	Performance Studies in Mineral and Coal Processing Plants	3
14	MSE-831	Agglomeration Technologies	3
Thesis			
10	MPE-899	Master Thesis	6

