Michigan Technological University
Registrar's Office

Academic Year 2017-18
Minor in Mineral Procesing (CMMP)
Department of Chemical Engineering
Credits Required: 18

Student Name and ID Number

Required Mineral Processing and Mineralogy Courses (7 credits)	**Credits**
CM 2200 Intro to Minerals & Materials Processing (3)	
CM 3830 Mineral Processing and Extraction Lab (1) *Prereqs: CM2110(C) or CM2200(C)*	
GE 2300 Mineral Science (3) *Prereqs: CH1000 or CH1112 or (CH1150 and CH1151)*	

Thermodynamics Courses (Select 1 course, 4 credits)	**Credits**
CM 3230 Thermodynamics for Chem Eng (4) *Prereqs: CH3510 and MA3160 and(MA3520(C)or MA3521(C) or MA3530(C) or MA3560(C))*	
ENG 3200 Thermo/Fluid Mechanics (4) *Prereqs: MA2160 and CH1112 or (CH1150 and CH1151) and PH2100 and ENG1102*	
MEEM 3201 Intro Fluid Mechanics & Heat Transfer (4) *Prereqs: MEEM2201 and MEEM2911(C) and (MA3520 or MA3521 or MA3530 or MA3560)*	
MY 3100 Materials Processing I (4) *Prereqs: MY2100 and MA2160*	

Elective Courses (Select remaining 7 credits)	**Credits**
CM 3825 Sampling, Statistics, and Instrumentation (2) *Prereqs: none*	
CM 4020 Undergrad Research in Mineral Processing Engineering (1-3) *Prereqs: none*	
CM 4505 Particle Technology (3) *Prereqs: none*	
CM/MY 4740 Hydrometallurgy/Pyrometallurgy (4) *Prereqs: CH1122 or (CH1160 and CH1161)*	
GE 3400 Drilling and Blasting (3) *Prereqs: GE2020 and PH2100*	
GE 4360 Material Handling (3) *Prereqs: PH2100*	
GE/EC 4630 Mineral Industry Economics (3) *Prereqs: EC2001 and UN1015 and (UN1025 or 3000-level Mod. Language)*	
MY 3200 Materials Characterization I (4) *Prereqs: MY2100 and MY2110*	
Total Credits Required = 18	

Student Signature **Date** **Academic Advisor Signature** **Date**