

MINING ENGINEERING

EMPHASIS PROGRAM OF STUDY

For students beginning the program Fall 2021

Fall Semester		Spring Semester	
CHEM 1210 & 1215		5 WRTG 2010	3
MATH 1210 Calculus I		4 MATH 1220 Calculus II	4
LEAP 1501 Social Ethical Eng. - BF		3 LEAP 1500 Eng & Humanities - HFDV	3
MG EN 1050 Comp Skills		2 GEO 1110 and 1115 Intro to Earth Science	4
MG EN 3010 Intro to Mining		1 MG EN 4990 Seminar	0.5
MG EN 4990 Seminar		0.5 MG EN 3015 Mine Visits (wk before fall)	1.0
TOTAL HOURS	15.5	TOTAL HOURS	15.5

Fall Semester		Spring Semester	
Requirement	Hours	Requirement	Hours
PHYCS 2210		4 PHYCS 2220	4
MET E 1610 Intro to Metallurgy	1.5	MATH 2210 Calculus III	3
MG EN 2400 Surveying		3 CVEEN 2010 Statics or MET E 2300	2
American Institutions - AI		3 GEO 3065 Structural Geology	2
MET E 3070 Statistics		3 GEO 3070 Petrology for Engineers	2
MG EN 4990 Seminar	0.5	Gen Ed FFIR	3
		MG EN 4990 Seminar	0.5
TOTAL HOURS	15.0	TOTAL HOURS	16.0

Fall Semester		Spring Semester	
Requirement	Hours	Requirement	Hours
Gen Ed BF		3 ECE 2200 Electrical Eng	1.5
MG EN 5030 Materials Handling		2 MG EN 5010 Underground Methods	3
MATH 2250 ODE		4 MG EN 5150 Mechanics of Materials	3
MG EN 5020 Surface Mining Methods		3 MG EN 5320 Hydraulics	3
CH EN 2300 Thermodynamics		2 MG EN 5350 Mining Safety/Health -1	1
Core 1	3	Core 2*	3
MG EN 4990 Seminar	0.5	MG EN 4990 Seminar	0.5
TOTAL HOURS	17.5	TOTAL HOURS	15.0

Fall Semester		Spring Semester	
Requirement	Hours	Requirement	Hours
MG EN 5050 Ventilation		3 Gen Ed FF	3
MG EN 5160 Rock Mechanics		3 MG EN 4080 Permitting & Reclamation	2
MG EN 5340 Mineral Evaluation		3 MG EN 5090 or 5120 Sr Design	3
Gen Ed HF		3 MG EN 5170 Mine Finance	2
Core Elective**	3	3 MG EN 4990 Seminar	0.5
MG EN 4990 Seminar	0.5	Core Elective**	3
TOTAL HOURS	15.5	TOTAL HOURS	13.5