

IMAGINE



AS A MINING ENGINEER

MODEL PROGRAM OF STUDY

Freshman Year			
Fall Semester		Spring Semester	
Requirement	Hours	Requirement	Hours
CHEM 1210, 1215	5	WR TG 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 AutoCAD	2	GEO 1110 and 1115 Intro to Earth Science	4
MG EN 1990 Basics of Mining	1	MG EN 4990 Seminar	0.5
MG EN 4990 Seminar	0.5		
TOTAL HOURS	15.5	TOTAL HOURS	14.5

Sophomore Year			
Fall Semester		Spring Semester	
Requirement	Hours	Requirement	Hours
MG EN 3015 (Field trip week before school starts)	1		
PHYCS 2210	4	PHYCS 2220	4
MG EN 3010 Intro to Mining	3	MATH 2210 Calculus III	3
MET E 1610 Intro to Metallurgy	2	CVEEN 2010 Statics	3
GEO 3070 Mineralogy	2	GEO 3060 Petrology	3
MG EN 2200 Utah Mining History - DV	3	American Institutions - AI	3
MG EN 2400 Surveying	3	MG EN 4990 Seminar	0.5
MG EN 4990 Seminar	0.5		
TOTAL HOURS	18.5	TOTAL HOURS	16.5

Junior Year			
Fall Semester		Spring Semester	
Requirement	Hours	Requirement	Hours
ECE 2200 Electrical Eng for non majors	1.5	MG EN 3400 Mine Surveying	1
MET E 3070 Statistics	3	MG EN 5010 Underground Mining Methods	3
MATH 2250 ODE's	4	MG EN 5150 Mechanics of Materials	3
MG EN 5020 Surface Mining Methods	3	ME EN 2300 or CH EN 2300 Thermodynamics	3
MG EN 5320 Hydraulics	3	MG EN 5350 Health & Safety MGNT	4
MG EN 5500 Computer Applications in Mining	2	General Education* BF	3
MG EN 4990 Seminar	0.5	MG EN 4990 Seminar	0.5
TOTAL HOURS	17.0	TOTAL HOURS	17.5

Senior Year			
Fall Semester		Spring Semester	
Requirement	Hours	Requirement	Hours
Technical Elective†	2	General Education* FFIR	3
MG EN 5040 Engineering Design	2	General Education* FF	3
MG EN 5050 Ventilation	3	MG EN 5080 Permitting & Reclamation	2
MG EN 5160 Rock Mechanics	3	MG EN 5090 or 5120 Sr Design Projects - CW	3
MG EN 5340 Mineral Evaluation	2	MG EN 5170 Mine Admin & Finance	2
MG EN 4990 Seminar	0.5	Technical Elective†	2
General Education* HF	3	MG EN 4990 Seminar	0.5
TOTAL HOURS	15.5	TOTAL HOURS	15.5

*One General Education must meet the International Requirement

†Four hours of technical electives should be selected