BS Mining Engineering Curriculum Flowchart (2018-19) – 130 credits

Freshman Year First Semester 16cr	Freshman Year Second Semester 15cr	Sophomore Year First Semester 17cr	Sophomore Year Second Semester 17cr	Junior Year First Semester 18cr	Junior Year Second Semester 17cr	Senior Year First Semester 16cr	Senior Year Second Semester 15cr
MEM 110L Intro to Geol & Mining Engr Lab (1cr) (F)	MEM 120 Intro to Mining (2cr) (S)	MEM 201L Surveying for Mineral Engrs (2cr) (F/S)	MEM 204 Surface Mining Methods (2cr) (S)	MEM 301/L Computer Applications/Lab (2/0cr) (F)	IENG 366 Engineering Management (3cr) (S)	MEM 466 Mine Management (2cr) (F)	MEM 446 Human Resource Management (3cr) (S)
CHEM 112/L *6 Gen Chem I/Lab (3/1cr) (F/S)	PHYS 211/A *6 Physics I (3/0cr) (F/S)	EM 216 Statics & Dynamics (4cr) (F/S)	MET 220 Mineral Process (3cr) (S)	EE 303/L Basic Circuits/ Lab (3/0cr) (F/S)	EM 331 Fluid Mechanics (3cr) (F/S)	MEM 476 International Business (3cr) (F)	MEM 405 Mine Permit & Reclamation (3cr) (S)
MATH 123 *5 Calculus I (4cr) (F/S)	MATH 125 *5 Calculus II (4cr) (F/S)	PHYS 213/A *6 Physics II (3/0cr) (F/S)	MATH 321 * Diff Eq (3cr) (F/S)	MEM 303 Underground Mining (3cr) (F)	AES 404 Atmospheric Thermo (2cr) (S)	MEM 401/L Mine Ventilation/Lab (4/0cr) (F)	
PE Physical Education (1cr) (F/S)	100/200 *3/4 HUM/SS Elective (3cr) (F/S)	MATH 205 * Mining Math (2cr) (F)	GEOE 221/L Geology for Engineers/Lab (3/0cr) (S)	MEM 314/L Mineral & Petro for Min Engr/Lab (4/0cr) (F)	MEM 302 Mineral Econ & Finance (3cr) (S)	MEM 464 Mine Design (4cr) (F/S)	MEM 4XX Mining Technical Elective (3cr) (F/S)
100/200 *3/4 HUM/SS Elective (3cr) (F/S)	100/200 *3/4 HUM/SS Elective (3cr) (F/S)	**Select One**: ECON 201 *3/4 Microecon (3cr) (F/S); ECON 202 *3/4 Macroecon (3cr) (F/S)		MEM 376 Managerial Finance (3cr) (F)	MEM 304/L Rock Mechanics (3/0cr) (S)		GEOL 322/L Structural Geology/Lab (3/0cr) (S)
ENGL 101 *1 Composition I (3cr) (F/S)		ENGL 279 *1/2 Tech Comm I (3cr) (F/S)	ENGL 289 *1/2 Tech Comm II (3cr) (F/S)	MEM 305 Intro to Explosives (3cr) (F)	MEM 307 Mineral Exploration (3cr) (S)	MEM 4XX Mining Technical Elective (3cr) (F/S)	Dept Approved Elective – Mining or Engineering (3cr) (F/S)

Courses that are offered in Fall ONLY or Spring ONLY are indicated by F or S semesters, respectively. Courses indicated F/S are offered Fall and Spring semesters.
*1-6 Indicates courses that may be used to satisfy goals 1-6 of the system general education requirements.
Refer to the 2018-19 academic catalog for additional information regarding system general education requirements, elective courses, pre-/co-requisites and grade requirements.
A list of approved or recommended electives and other supplemental information may be obtained from your academic department.