BS Mining Engineering & Management Curriculum Flowchart (Fall 2014) – 130 credits

Notes: This worksheet is for planning information only and does not supersede requirements as stated in the university catalog.

Refer to the reverse side for a listing of HUM, SS, MEM, and Engineering Electives.

Board of Regents Requirements
GOAL 1 & 2 – Purple
GOAL 3 – Yellow
GOAL 4 – Light Blue
GOAL 5 – Olive Green
GOAL 6 – Light Brown
Mining Engineering and Management

Approved List of Mining Technical Electives (Prerequisite(s) in parentheses)

MEM 410 – Advanced Mineral Economics for Managers (MEM 302)
MEM 420 – Advanced Tunneling and Underground Excavation (MEM 304/304L)
MEM 425 – Advanced Rock Mechanics (MEM 304/304L)
MEM 430 – Resource Industry Mergers and Acquisitions (MEM 302)
MEM 433 – Computer Applications in Geoscience Modeling/Lab
MEM 435 – Resource Industry Finance and Accounting (MEM 302)
MEM 440 – Advanced Mine Ventilation and Environmental Engineering (MEM 401/401L)
MEM 445 – Advanced Geostatistics and Grade Estimations (MEM 307)
MEM 450 – Rock Slope Engineering (MEM 304/304L)
MEM 455 – Rock Slope Engineering II (MEM 450)
MEM 480 – Advanced Explosives and Blasting (MEM 305)

Approved List of Engineering Technical Electives

CEE 346/346L – Geotechnical Engineering/Lab
CEE 447 – Foundation Engineering
CEE 448 – Applied Geotechnical Engineering
GEOE 451 – Economic Geology
GEOE 475/475L – Ground Water/Lab

Certain advanced business/management courses, including IENG and CM, can be approved.

Approved List of Humanities Electives

ART 111, 112, ARTH 211, 321, 491, 492
ENGL 221, 222, 241, 242, 250, 300, 330, 343, 350, 360, 374, 383
GER 101, 102
SPAN 101, 102
HIST 121, 122
HUM 100, 200, 291, 292, 350, 375, 491, 492
MUAP 102, 200, 201, MUS 100, 110, 317/317L
PHIL 100, 200, 220, 233

Approved List of Social Sciences Electives

ANTH 210
GEOG 101, 210, 212, 400, 492
HIST 151, 152, 492
POLS 100, 250, 350, 407, 492
PSYC 101, 319, 323, 331, 391, 392, 451, 461
SOC 100, 150, 250, 391, 392

Management Courses

MEM 376 – Managerial Finance was ECON 304 – Managerial Economics and Finance
MEM 446 – Human Resource Management for Engineers was HRM 417 – Human Resource Management
MEM 476 – International Business for Engineers was BADM 407 – International Business