

## BACHELOR OF SCIENCE IN MINING ENGINEERING (2017-2018 Catalog Year)\*\*

\*\* If you need the course plan for another catalog year, please contact your MIN faculty advisor.

### First Year: Fall

MIN103 – Intro to Mining Engineering	1
MIN 104- Mining Safety & Ops Lab	1
CHEM 105X – General Chemistry	4
WRTG 111X – Intro. to Acad. Writing	3
MATH 200X – Calculus	4
LS 101X – Library Info. & Research	1
GER A, H, SS, E (1 of 6)	3
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### First Year: Spring

GE 261 – General Geology for Engr	3
MATH 201X – Calculus	4
CHEM 106X – General Chemistry	4
COJO 131X/141X – Fund. of Comm.	3
GER A, H, SS, E (2 of 6)	3
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### Second Year: Fall

MATH 202X – Calculus	4
GEOS 262 – Rocks and Minerals	3
PHYS 211X – General Physics	4
MIN 225- Quantitative Methods	2
MIN 202 – Mine Surveying	3
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### Second Year: Spring

MIN 226-Mine Development	2
ES 208 – Mechanics	4
PHYS 212X – General Physics	4
GEOS 332 – Ore Deposits/Structure	3
WRTG 211X/213X – Acad. Writing	3
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### Third Year: Fall

ES 307 – Elements of Electrical Eng	3
ES 331 – Mechanics of Materials	3
ES 341 – Fluid Mechanics	4
MIN313 Intro to Min. Prep <u>OR</u> MIN407- Mine Reclamation & Environ.	3
MIN 482 – Computer Aided Mine Design	3
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### Third Year: Spring

ES 346 – Basic Thermodynamics	3
MIN 301 – Mine Plant Design	3
MIN 302 – Underground Mine Environ	3
MIN 370 – Rock Mechanics	3
MIN 484 – Surface Mine Methods	2
GER A, H, SS, E (3 of 6)	3
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### Fourth Year: Fall

MIN 443 – Prin. & Appl. Industrial Explo	3
MIN 454 – Underground Mining Methods	3
MIN 489 – Mining Design Project	1
MIN 313 – Intro to Min. Prep <u>OR</u> MIN407- Mine Reclamation & Environ.	3
GER A, H, SS, E (4 of 6)	3
GER A, H, SS, E (5 of 6)	3
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### Fourth Year: Spring

MATH 302 – Differential Equations	3
MIN 408 – Mineral Valuation & Econ	3
MIN 409 – Operations Research	3
MIN 485 – Mining Exit Exam	0
MIN 490 – Mining Design Project	2
GER A, H, SS, E (6 of 6)	3
Technical Elective	3
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### NOTES:

\* GER A. H. SS. E: General Education Requirements – Arts, Humanities, Social Science, Ethics

\* Technical electives are selected in consultation with your Mining Engineering faculty advisor.

\* Students must take the Fundamentals of Engineering Exam in order to graduate.