

MINING ENGINEERING TECHNOLOGY, BTECH

Bridge Curriculum

Code	Title	Units
MNTC P01	Engineering Mathematics	3.00
MNTC P02	Mining Geology	3.00
MNTC P03	Foundational Mathematics	3.00
MNTC P04	Calculus	3.00
MNTC P05	Foundational Physics	3.00
MNTC P06	Foundational Chemistry	3.00
MNTC P07	Surveying Principles	3.00
Total Units		21.00

MNTC 423	Geomatics	3.00
MNTC 498	Capstone Project	3.00
MNTC 499	Field School II (on site) (on site)	5.00
Total Units		46.00

Third Year Curriculum

Code	Title	Units
APSC 199	English Proficiency for Engineers	0.20
APSC 221	Economic And Business Practice	3.00
MNTC 301	Technical Writing and Communication	3.00
MNTC 302	Engineering Physics	3.00
MNTC 303	Engineering Chemistry	3.00
MNTC 304	Applied Metrology and Data Analysis	3.00
MNTC 305	Introduction to Mining	4.00
MNTC 306	Mineral Processing Unit Operations	3.00
MNTC 307	Geomechanics and Ground	4.00
MNTC 310	Mining and Society	3.00
MNTC 313	Introduction to Programming	3.00
MNTC 314	Drilling and Blasting	4.00
MNTC 316	Ventilation and Hydraulics	4.00
MNTC 399	Field School I (on site) (on site)	5.00
Total Units		45.20

Fourth Year Curriculum

Code	Title	Units
LAW 204	Corporate Law	3.00
MNTC 311	Ore Body Modelling and Resource Estimation	4.50
MNTC 408	Mine Health and Safety	3.00
MNTC 409	Mineral Economics	3.50
MNTC 413	Surface Mine Design	4.00
MNTC 414	Underground Mine Planning	4.00
MNTC 415	Metal Extraction Processes	4.00
MNTC 418	Sustainability and the Environment	3.00
MNTC 419	Mine Supervision and Project Management	3.00
MNTC 420	Physical Asset Management	3.00