

**BEngTech: Extraction Metallurgy (NQF7)B6EX0Q****22.3.1 Curriculum**

CODE	MODULE	CODE	MODULE
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**First year**

First semester		Second semester	
CPSAED1	Computer Applications (Year Module)		
ECMSED1	Chemistry 1 (Theory) (Year Module)		
ECMSED2	Chemistry 1 (Practical) (Year Module)		
EDRED01	Engineering Drawing 1 (Year Module)		
FRRED01	Fundamental Research Practice (Year Module)		
MATHED1	Mathematics 1 (Year Module)		
WPPED01	Workplace Preparation (Year Module)		
PHADPX1	Engineering Physics X 1B (Practical) (Year Module)		
PHADTX1	Engineering Physics X 1B (Theory) (Year Module)		

**Second year**

First semester		Second semester	
AFINSA1	African Insights	ECS1BB1	Engineering Communication Skills 1B
CETM2A1	Engineering Chemistry (Metallurgy) 1B	METMB1	Fundamentals of Metallurgy 1B
ECS1AA1	Engineering Communication Skills 1A	MPRMTB1	Metallurgy Engineering Practice 1B
MATM2A1	Engineering Mathematics 1B	STA1B1	Engineering Statistics 1B
PHADTX2	Engineering Physics x 1B (Theory) yr module	PHADTX2	Engineering Physics x 1B (Theory) yr module
PHADPX2	Engineering Physics x 1B (Practical) yr module	PHADPX2	Engineering Physics x 1B (Practical) yr module

**Third Year**

First semester		Second semester	
GMESCA2	Engineering Geology (Metallurgy) 2A	GMESCB2	Engineering Geology (Metallurgy) 2B
HMTMTA2	Heat and Mass Transfer 2A	ECHMTB2	Electrochemistry 2B
MEAMTA2	Metallurgical Accounting 2A	PREMTB2	Process Engineering 2B
MPRMTA2	Mineral Processing 2A	MPRMTB2	Mineral Processing 2B
PSTMTA2	Analytical Techniques 2A	MTDMTB2	Metallurgical Thermodynamics 2B

**Fourth year**

First semester		Second semester	
CPRMTA3	Coal Processing 3A	FAPMTB3	Ferroalloy Production 3B
FMEMTA3	Ferrous Metallurgy 3A	INMMTB3	Industrial Minerals 3B
HMEMTA3	Hydrometallurgy 3A	PEMMTB3	Metallurgical Project 3B
NFMMTA3	Non-Ferrous Metallurgy 3A	PEMMTB3	Principles of Management and Economics 3B

PRMMA3	Project Methodology 3A	PMGMTB3	Project Management (Metallurgy) 3B
PYRMTA3	Pyrometallurgy 3A	PRCCHB3	Process Control (Metallurgy) 3B
		PRDMTB3	Process Design (Metallurgy) 3B
		REFMTB3	Refractory Technology 3B