

MINING AND MINERAL PROCESSING ENGINEERING ACADEMIC SELF-ASSESSMENT CHECKLIST

The syllabus checklist below is based on the approved discipline topics used by APEGA's Executive Committee of the Board of Examiners (BOE) to either confirm or meet academic shortfalls or deficiencies. Please use in conjunction with the course descriptions provided here: <https://www.apega.ca/apply/exams/technical/courses/>

This form is provided for assessment purposes only (06.02.2020).

2018		✓
Preliminary Exams	20-Prelim-1 Calculus	
	20-Prelim-2 Computing	
	20-Prelim-3 Physics	
	20-Prelim-4 Chemistry	
Basic Studies & Compulsory Exams	04-BS-1 Mathematics	
	04-BS-2 Probability and Statistics	
	04-BS-3 Statics and Dynamics	
	04-BS-6 Mechanics of Materials	
	04-BS-7 Mechanics of Fluids	
	04-BS-14 Geology	
Optional Exams (Requires 2)	04-BS-4 Electric Circuits and Power	
	04-BS-5 Advanced Mathematics	
	04-BS-10 Engineering Thermodynamics	
	04-BS-11 Properties of Materials	
	04-BS-15 Engineering Graphics	
Mining and Mineral Processing Group A (Requires 6)	18-Mmp-A1 General Geology and Exploration	
	18-Mmp-A2 Underground Mining Methods and Design	
	18-Mmp -A3 Mineral Processing	
	18-Mmp -A4 Mine Valuation and Mineral Resource Estimation	
	18-Mmp -A5 Surface Mining Methods and Design	
	18-Mmp -A6 Mining and the Environment	
Mining and Mineral Processing Group B (Require 3)	18-Mmp -B1 Applied Rock Mechanics	
	18-Mmp -B2 Rock Fragmentation	
	18-Mmp -B3 Material Handling	
	18-Mmp -B4 Occupational Health, Safety and Loss Management	
	18-Mmp -B5 Mill Design and Operations	
	18-Mmp -B6 Mill Process Control	
	18-Mmp -B7 Extractive Metallurgy	
	18-Mmp -B8 Mine Management and Systems Analysis	
	18-Mmp -B9 Rock Slope Engineering	
	98-CS-1 Engineering Economics	

Complementary Studies	98-CS-2	Engineering in Society - Health, Safety, and the Environment	
	98-CS-3	Management Concepts for Engineers	