

GEOMATICS 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 (05.19.2021).

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-5 Advanced Mathematics	
	04-BS-15 Engineering Graphics	
Optional Exams (requires 3)	04-BS-4 Electric Circuits and Power	
	04-BS-6 Mechanics of Materials	
	04-BS-7 Mechanics of Fluids	
	04-BS-8 Digital Logic Circuits	
	04-BS-9 Basic Electromagnetics	
	04-BS-10 Thermodynamics	
	04-BS-11 Properties of Materials	
	04-BS-14 Geology	
Geomatics Group A (Requires 7)	18-Geom-A1 Surveying	
	18-Geom-A2 Adjustment of Observations and Data Analysis	
	18-Geom-A3 Geodesy and Positioning	
	18-Geom-A4 Photogrammetry	
	18-Geom-A5 Remote Sensing and Image Analysis	
	18-Geom-A6 Cadastral Studies	
	18-Geom-A7 Geospatial Information Systems	
Geomatics Group B (Require 3)	18-Geom-B1 Digital Terrain Modelling	
	18-Geom-B2 Satellite Navigation	
	18-Geom-B3 Networks and Precise Engineering Surveys	
	18-Geom-B4 Hydrography	
	18-Geom-B5 Survey Law	
	18-Geom-B6 Land Use Planning and Environmental Management	
	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	