

ENGINEERING PHYSICS ACADEMIC 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).

2017		✓
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-4 Electric Circuits and Power	
	04-BS-5 Advanced Mathematics	
	04-BS-9 Basic Electromagnetics	
	04-BS-10 Engineering Thermodynamics	
Optional Exams (Requires 1)	04-BS-6 Mechanics of Materials	
	04-BS-7 Mechanics of Fluids	
	04-BS-8 Digital Logic Circuits	
	04-BS-11 Properties of Materials	
	04-BS-12 Organic Chemistry	
	04-BS-15 Engineering Graphics	
Physics Group A (Require 7)	17-Phys-A1 Classical Mechanics	
	17-Phys-A2 Statistical Physics	
	17-Phys-A3 Electromagnetics	
	17-Phys-A4 Quantum Mechanics	
	17-Phys-A5-A Electronic Material and Devices	
	17-Phys-A5-B Analog and Digital Electronic Circuits	
	17-Phys-A6 Solid State Physics	
	17-Phys-A7 Optics	
Physics Group B (Require 3)	17-Phys-B1 Radiation Physics	
	17-Phys-B2 Electro-Optical Engineering	
	17-Phys-B3 Digital Systems and Computers	
	17-Phys-B4 Signals and Communications	
	17-Phys-B5 Systems and Control	
	17-Phys-B6 Applied Thermodynamics And Heat Transfer	

	17-Phys-B7	Structure of Materials	
Complementary Studies	98-CS-1	Engineering Economics	
	98-CS-2	Engineering in Society - Health, Safety, and the Environment	
	98-CS-3	Management Concepts for Engineers	