

ELECTRICAL ENGINEERING 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).

2016		✓
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-8 Digital Logic Circuits	
Optional Exams (Requires 1)	04-BS-9 Basic Electromagnetics	
	04-BS-6 Mechanics of Materials	
	04-BS-7 Mechanics of Fluids	
	04-BS-10 Engineering Thermodynamics	
	04-BS-11 Properties of Materials	
	04-BS-15 Engineering Graphics	
Electrical Group A (Requires 7)	04-BS-16 Discrete Mathematics	
	16-Elec-A1 Circuits	
	16-Elec-A2 Systems and Control	
	16-Elec-A3 Signals and Communications	
	16-Elec-A4 Digital Systems and Computers	
	16-Elec-A5 Electronics	
	16-Elec-A6 Power Systems and Machines	
16-Elec-A7 Electromagnetics		
Electrical Group B (Require 2)	16-Elec-B1 Digital Signal Processing	
	16-Elec-B2 Advanced Control Systems	
	16-Elec-B3 Digital Communications Systems	
	16-Elec-B4 Information Technology Networks	
	16-Elec-B5 Advanced Electronics	
	16-Elec-B6 Integrated Circuit Engineering	
	16-Elec-B7 Power Systems Engineering	

	16-Elec-B8	Power Electronics and Drives	
	16-Elec-B9	Electromagnetic Field, Transmission Lines, Antennas, and Radiation	
	16-Elec-B10	Electro-Optical Engineering	
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	