

INDUSTRIAL 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).

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-6 Mechanics of Materials	
	04-BS-10 Engineering Thermodynamics	
	04-BS-11 Properties of Materials	
	04-BS-15 Engineering Graphics	
Optional Exams (Requires 1)	04-BS-4 Electric Circuits and Power	
	04-BS-5 Advanced Mathematics	
	04-BS-7 Mechanics of Fluids	
	04-BS-8 Digital Logic Circuits	
	04-BS-12 Organic Chemistry	
	04-BS-16 Discrete Mathematics	
Industrial Group A (Requires 6)	17-Ind-A1 Operations Research	
	17-Ind-A2 Analysis and Design of Work	
	17-Ind-A3 Facilities Planning	
	17-Ind-A4 Production Management	
	17-Ind-A5 Quality Planning, Control, and Assurance	
	17-Ind-A6 Systems Simulation	
Industrial Group B (Require 3)	17-Ind-B1 Applied Probability and Statistics	
	17-Ind-B2 Manufacturing Processes	
	17-Ind-B3 Computer Aided Design and Computer-Assisted Manufacturing	
	17-Ind-B4 Design of Information Systems	
	17-Ind-B5 Ergonomics	
	17-Ind-B6 Workplace Design	
	17-Ind-B7 Financial and Managerial Accounting	
	17-Ind-B8 Computer Integrated Manufacturing (CIM)	

	17-Ind-B9 Logistics: Transportation Aspects	
	17-Ind-B10 Workplace Safety and Health	
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	