

ENVIRONMENTAL 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).

| 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-7 Mechanics of Fluids | |
| | 04-BS-10 Engineering Thermodynamics | |
| | 04-BS-13 Biology | |
| Optional Exams (Requires 2) | 04-BS-4 Electric Circuits and Power | |
| | 04-BS-5 Advanced Mathematics | |
| | 04-BS-6 Mechanics of Materials | |
| | 04-BS-11 Properties of Materials | |
| | 04-BS-12 Organic Chemistry | |
| | 04-BS-14 Geology | |
| | 04-BS-15 Engineering Graphics | |
| Environmental Group A (Require 6) | 18-Env-A1 Principles of Environmental Engineering | |
| | 18-Env-A2 Hydrology and Municipal Hydraulics Engineering | |
| | 18-Env-A3 Geotechnical and Hydrogeological Engineering | |
| | 18-Env-A4 Water and Wastewater Engineering | |
| | 18-Env-A5 Air Quality and Pollution Control Engineering | |
| | 18-Env-A6 Solid Waste Engineering and Management | |
| Environmental Group B (Require 3) | 18-Env-B1 Environmental Assessment and Management Systems | |
| | 18-Env-B2 Water Resources | |
| | 18-Env-B3 Contaminant Transport | |
| | 18-Env-B4 Site Assessment and Remediation | |
| | 18-Env-B5 Industrial & Hazardous Waste Management | |
| | 18-Env-B6 Agricultural Waste Management | |
| | 18-Env-B7 Environmental Sampling and Analysis | |
| | 18-Env-B8 Instrumentation and Process Control | |
| | 18-Env-B9 Environmental Chemistry and Microbiology | |

| | | | |
|------------------------------|---------|--|--|
| 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 | |