

Technical exams for the Fall/Winter 2023 (October-December 2023) sitting will be written remotely by computer. If you are planning to write at the Fall/Winter sitting, please be prepared to write as early as October 1, 2023. Exact dates should be made available one month prior to the start of the exam sitting.

Important information about the online technical exams will be posted on Engineers and Geoscientists BC's [Status of Online Academic Examinations page](#). This page includes the Candidate Guide, examination schedule, exam formats and list of aids.

If the exam(s) you are planning to write at the Fall/Winter 2023 sitting are not listed below, send an email to exams@peo.on.ca by August 4, 2023 to ensure that the exam(s) will be made available for the May-August 2024 sitting.

(Last updated June 1, 2023)

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-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-12, Organic Chemistry

04-BS-13, Biology

04-BS-14, Geology

04-BS-15, Engineering Graphics & Design Process

04-BS-16, Discrete Mathematics

11-CS-1, Engineering Economics

11-CS-2, Engineering in Society

11-CS-3, Sustainability, Engineering and the Environment

11-CS-4, Engineering Management

04-Agric-A1 Applied Plant, Animal or Human Physiology

04-AGRIC-A3 Heat Engineering

04-AGRIC-A4 Fluid Flow

04-Agric-A7, Chemistry and Microbiology of Foods

04-Bio-A6, Anatomy and Physiology

04-Bio-B6, Bioinstrumentation

16-Chem-A1, Process Balances and Chemical Thermodynamics

16-Chem-A2, Unit Operations & Separation Processes

16-Chem-A3, Heat and Mass Transfer

16-Chem-A4, Chemical Reactor Engineering

16-Chem-A5, Chemical Plant Design and Economics

16-Chem-A6, Process Dynamics and Control

16-Chem-B2, Environmental Engineering

16-Chem-B5, Pulp and Paper Technology

16-Chem-B6, Petroleum Refining and Petrochemicals

16-Civ-A1/07-Str-A1, Elementary Structural Analysis

16-Civ-A2/07-Str-A2, Elementary Structural Design

16-Civ-A3, Elementary Environmental Engineering (national only)

16-Civ-A3, M07-Wrse-A6, Municipal and Environmental Engineering (PEO only)

16-Civ-A4/07-Str-A3/07-Tra-A6, Geotechnical Materials and Analysis

16-Civ-A5/07-Str-B11, Hydraulic Engineering

16-Civ-A6, Highway Design, Construction, and Maintenance

16-Civ-B1/07-Str-A4, Advanced Structural Analysis

16-Civ-B2/07-Str-A5, Advanced Structural Design

16-Civ-B3/07-Str-B1, Geotechnical Design

16-Civ-B4/07-Wrse-A2, Engineering Hydrology

16-Civ-B5/07-Wrse-B3, Water Supply and Wastewater Treatment

16-Civ-B6, Urban and Regional Planning

16-Civ-B7, Transportation Planning and Engineering

16-Civ-B8/07-Str-B2, Management of Construction

16-Civ-B9/07-Str-A6-1, The Finite Element Method

16-Civ-B10, Traffic Engineering

17-Comp-A1, Electronics –

17-Comp-A3/14-CIE-A3, Computer Architecture

17-Comp-A5, Operating Systems

17-Comp-A6, Software Engineering

17-COMP-B-12, Computer Security

16-Elec-A1/16-Mex-A2, Circuits

16-Elec-A2/17-Phys-B5, Systems and Control

16-Elec-A3, Signals and Communications

16-Elec-A4/16-Mex-A3/17-Phys-B3, Digital Systems and Computers

16-Elec-A5/16-Mex-A2, Electronics

16-Elec-A6/16-Mex-B10, Power Systems and Machines

16-Elec-A7, Electromagnetics

16-Elec-B1, Digital Signal Processing

16-Elec-B2/16-Mex-B3, Advance 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

16-Elec-B10, Electro-Optical Engineering

18-Env-A1, Principles of Environmental Engineering

18-Env-A2, Hydrology and Municipal Hydraulics Engineering

18-Env-A3/07-Wrse-A3, Geotechnical & Hydrogeological Engineering

18-Env-A4 - Water & Wastewater Engineering

18-Env-A5, Air Quality and Pollution Control Engineering

18-Env-A6, Solid Waste Engineering & Management

18-Env-B1/07-Wrse-B12, Environmental Assessment & Management Systems

18-Env-B2, Water Resources

18-Env-B7, Environmental Sampling and Analysis

18-Geol-A1, Mineralogy and Petrology

18-Geol-A2, Hydrogeology

18-Geol-A3, Sedimentation and Stratigraphy

18-Geol-A4, Structural Geology

18-Geol-A5, Rock Mechanics

18-GEOLA6, Soil Mechanics

18-Geol-A7, Applied Geophysics

18-Geol-B2, Terrain Analysis

18-Geol-B4, Geomorphology and Pleistocene Geology

18-Geom-A2, Adjustment of Observations and Data Analysis

18-Geom-A3, Geodesy & Positioning

18-Geom-B2, Satellite Navigation

17-Ind-A1, Operations Research

17-Ind-A2/08-Mfg-A4, Analysis & Design of Work

17-Ind-A3/08-Mfg-A5, Facilities Planning

17-Ind-A4/08-Mfg-A3, Production Management

17-Ind-A5/08-Mfg-A6, Quality Planning, Control, and Assurance

17-Ind-A6/08-Mfg-B3/16-Mex-A6, System Simulation

17-Ind-B5/08-Mfg-B12/04-Bio-B11, Ergonomics

17-Ind-B6, Workplace Design

17-Ind-B10, Workplace Health and Safety

98-Mar-A5/16-Mec-A7, Advanced Strength of Materials

98-Mar-B5/08-Mfg-B11/16-Mec-B6, Fluid Machinery (Mec-A6 national)

16-Mec-A1/17-Phys-B6/Nav-B1/16-Mex-A4, Applied Thermodynamics and Heat Transfer

16-Mec-A2, Kinematics and Dynamics of Machines

16-Mec-A3/16-Mex-A1, System Analysis and Control

16-Mec-A4/08-Mfg-A1, Design and Manufacture of Machine Elements

16-Mec-A5, Electrical and Electronics Engineering

16-Mec-A6, Advanced Fluid Mechanics (Mec-B6 national)

16-Mec-A7/98-Mar-A5, Advanced Strength of Materials

16-Mec-B1, Advanced Machine Design

16-Mec-B2, Environmental Control in Buildings

16-Mec-B3, Energy Conversion and Power Generation

16-Mec-B4, Integrated Manufacturing Systems

16-Mec-B5/08-Mfg-B4/16-Mex-B8, Product Design and Development

16-Mec-B6/98-Mar-B5/08-Mfg-B11, Fluid Machinery (Mec-A6 national)

16-Mec-B7, Aero and Space Flight

16-Mec-B8, Engineering Materials

16-Mec-B9, Advanced Engineering Structures

16-Mec-B10, Finite Element Analysis

16-Mec-B12/08-Mfg-B8/16-Mex-B5, Robotics Mechanics

10-Met-A2, Metallurgical Rate Phenomena

10-Met-A3, Metal Extraction Processes

10-Met-A6, Phase Transformation and Thermal Treatment of Metals and Alloys

10-Met-A7/12-Mtl-B11, Corrosion and Oxidation

10-Met-B6/12-Mtl-B6, Physical Metallurgy of Iron and Steel

16-Mex-A1/16-Mec-A3, System Analysis and Control

16-Mex-A2/16-Elec-A1/Elec-A5, Circuits and Electronics

16-Mex-A3/16-Elec-A4/17-Phys-B3, Digital Systems and Computers

16-Mex-A4/16-Mec-A1/17-Phys-B6/16-Nav-B1, Applied Thermodynamics and Heat Transfer

16-Mex-A6/17-Ind-A6/08-Mfg-B3 System Simulation

16-Mex-B3/16-Elec-B2, Advance Control Systems

16-Mex-B5/16-Mec-B12/08-Mfg-B8, Robotics Mechanics

16-Mex-B8/16-Mec-B5/08-Mfg-B4, Product Design and Development

16-Mex-B10/16-Elec-A6, Power Systems and Machines

08-Mfg-A1/16-Mec-A4, Design and Manufacture of Machine Elements

08-Mfg-A3/17-Ind-A4, Production Management

08-Mfg-A4/98-Ind-A2, Analysis and Design of Work

08-Mfg-A5/17-Ind-A3, Facilities Planning

08-Mfg-A6/17-Ind-A5, Quality Planning, Control, and Assurance

08-Mfg-B3/16-Mex-A6/17-Ind-A6, System Simulation

08-Mfg-B4/16-Mex-B8/16-Mec-B5, Product Design and Development

08-Mfg-B6, Metrology

08-Mfg-B8/16-Mex-B5/16-Mec-B12, Robotics Mechanics

08-Mfg-B10, Tooling, Jigs & Fixture Design

08-Mfg-B11/16-Mec-B6/98-Mar-B5 Fluid Machinery (Mec-A6 national)

12-Mtl-A2, Transport Phenomena in Materials Engineering

12-Mtl-A5, Phase Transformations of Metals, Glasses & Ceramics

12-Mtl-B6/10-Met-B6, Physical Metallurgy of Iron and Steel

12-Mtl-B11/10-Met-A7, Corrosion and Oxidation

18-Mmp-A1, General Geology and Exploration

18-MMP-A2, Underground Mining Methods and design

18-Mmp-A3, Mineral Processing

18-MMP-A4, Mine Evaluation and Mineral Resources Estimation

18-Mmp-A5, Surface Mining Methods and Design

18-Mmp-A6, Mining and the Environment

18-MMP-B1, Applied Rock Mechanics

18-Mmp-B2, Rock Fragmentation

16-Nav-B1/16-Mex-A4/16-Mec-A1/17-Phys-B6, Applied Thermodynamics and Heat Transfer

08-Nuc-A1, Introduction to Nuclear Physics and Nuclear Engineering

17-Pet-B4, Petroleum Geology

17-Phys-A5A, Electronic Materials and Devices

17-Phys-A5B, Analog and Digital Electronic Circuits

17-Phys-A7, Optics

17-Phys-B3/16-Elec-A4/16-Mex-A3, Digital Systems and Computers

17-Phys-B5/16-Elec-B2, Systems and Control

17-Phys-B6/16-Nav-B1/16-Mex-A4/16-Mec-A1, Applied Thermodynamics and Heat Transfer

19-Soft-A2, Computing Architecture and Operating Systems

19-Soft-A5, (14-CIE-B8), Requirements and Specifications

19-Soft-B3(14-CIE-A7), Security

19-Soft-B15, Artificial Intelligence/Intelligent Systems

07-Str-A1/16-Civ-A1, Elementary Structural Analysis

07-Str-A2/16-Civ-A2, Elementary Structural Design

07-Str-A3/07-Tra-A6/16-Civ-A4, Geotechnical Materials and Analysis

07-Str-A4/16-Civ-B1, Advanced Structural Analysis

07-Str-A5/16-Civ-B2, Advanced Structural Design

07-Str-B1/16-Civ-B3, Geotechnical Design

07-Str-B2/16-Civ-B8, Management of Construction

07-Str-A6-1/16-Civ-B9, The Finite Element Method

07-Str-B11/16-Civ-A5, Hydraulic Engineering

07-Tra-A1, Introduction to Transportation Engineering

07-Tra-A3, Traffic Engineering

07-Tra-A4, Pavement Materials, Design and Management

07-Tra-A5, Transportation Planning and Demand Analysis

07-Tra-A6/16-Civ-A4/07-Str-A3, Geotechnical Materials and Analysis

07-Tra-B6, Highway Construction

07-Wrse-A2/16-Civ-B4, Engineering Hydrology

07-Wrse-A3/18-Env-A3, Soil Mechanics & Groundwater

07-Wrse-A6/16-Civ-A3, Municipal and Environmental Engineering (PEO only)

07-Wrse-B1/04-Geol-B4, Geomorphology & Pleistocene Geology

07-Wrse-B3/16-Civ-B5, Water Supply and Wastewater Treatment

07-Wrse-B4, Open Channel Hydraulics