

## **Exams for Fall/Winter 2025 (October – December)**

**Technical exams for the Fall/Winter 2025 (scheduled October-December 2025) sitting will be written remotely by computer. If you are planning to write at the Fall/Winter 2025 sitting, please be prepared to write as early as October 1, 2025. Exact dates should be made available one to two months 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, eProctor booking, Exam Formats and List of Aids.**

**If the exam(s) you are planning to write at the Fall/Winter 2025 sitting are not listed below, send an email to [exams@peo.on.ca](mailto:exams@peo.on.ca) by July 31, 2025 to ensure that the exam(s) will be made available for the Spring/Summer 2026 sitting.**

### **Exams for Fall/Winter 2025**

*Last updated February 5, 2025*

**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 - Health and Safety

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

**11-CS-4**, Engineering Management

**04-Agric-A2**, Soil Physics and Mechanics

**04-Agric-A3**, Heat Engineering

**04-Agric-A4**, Fluid Flow

**04-Agric-A7**, Chemistry and Microbiology of Foods

**04-Bio-A3**, Cellular and Molecular Biology and Biochemistry

**07-Bld-A1**, Elementary Structural Analysis

**07-Bld-A2**, Elementary Structural Design

**07-Bld-A3**, Construction Engineering

**07-Bld-A4**, Building Engineering Systems

**07-Bld-A5**, Building Science

**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-B1**, Transport Phenomena

**16-Chem-B2**, Environmental Engineering

**16-Chem-B4/04-Agric-B10**, Biochemical Engineering

**16-Chem-B5**, Pulp and Paper Technology

**16-Chem-B6**, Petroleum Refining and Petrochemicals

**16-Chem-B8**, Polymer Engineering

**16-Chem-B10**, Life Cycle Assessment

**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-A3/07-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

**16-Civ-B11**, Structural Materials

**16-Civ-B12**, Risk & Safety in Civil Engineering

**16-Civ-B13**, Numerical Methods (Nationals only)

**17-Comp-A4**, Program Design and Data Structures

**17-Comp-B3**, Data Bases and File System

**17-Comp-B12**, Computer Security

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

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

**16-Elec-A3/17-Phys-B4**, 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-A7/17-Phys-A3**, 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-A1/07-Wrse-B11**, Principles of Environmental

**18-Env-A2**, Hydrology and Municipal Hydraulics Engineering

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

**18-Env-A4**, Water and Wastewater Engineering

**18-Env-A5**, Air Quality & Pollution Control Engineering

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

**18-Env-B3/07-Wrse-B6**, Contaminant Transport

**18-Env-B5**, Industrial & Hazardous Waste Management

**18-Env-B7**, Environmental Sampling and Analysis

**18-Geol-B1**, Contaminant Hydrogeology

**18-Geol-B3**, Site Investigation

**18-Geol-B6-1**, Petroleum Deposits

**18-Geom-A1**, Surveying

**18-Geom-A3**, Geodsey & Positioning

**18-Geom-A5**, Remote Sensing and Image Analysis

**18-Geom-A6**, Cadastral Studies

**18-Geom-B1**, Digital Terrain Modelling

**18-Geom-B5**, Survey Law

**18-Geom-B6**, Land Use, Planning and Environmental Management

**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-B1**, Applied Probability and Statistics

**17-Ind-B2/08-Mfg-A2**, Manufacturing Processes

**17-Ind-B3/08-Mfg-B1**, Computer Aided Design and Computer-Assisted Manufacturing

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

**17-Ind-B6**, Workplace Design

**17-Ind-B10/08-Mfg-B9**, Workplace Health and Safety

**98-Mar-A2 /16-Nav-A1**, Fundamentals of Naval Architecture

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

**98-Mar-A7/16-Nav-B2**, Marine Engineering

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

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

**16-Mec-A2/16-Mex-A5**, 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-B3/08-Nuc-B9**, Energy Conversion and Power Generation

**16-Mec-B4/16-Mex-B9**, 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

**16-Mec-B13**, Biomechanics

**10-Met-A1**, Metallurgical Thermodynamics

**10-Met-B1**, Mineral Processing

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

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

**16-Mex-A2/16-Elec-A5**, 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-A5/16-Mec-A2**, Kinematics and Dynamics of Machines

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

**16-Mex-A7**, Instrumentation, Measurements, Sensors and Actuators

**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-B9/16-Mec-B4**, Integrated Manufacturing Systems

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

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

**08-Mfg-A2/17-Ind-B2**, Manufacturing Processes

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

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

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

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

**08-Mfg-B1/17-Ind-B3**, Computer Aided Design and Computer-Assisted Manufacturing

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

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

**08-Mfg-B5/16-Mec-B8**, Engineering Materials

**08-Mfg-B6**, Metrology

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

**08-Mfg-B9/17-Ind-B10**, Workplace Health and Safety

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

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

**18-Mmp-A1**, General Geology and Exploration

**18-Mmp-A5**, Surface Mining Methods and Design

**18-Mmp-B1**, Applied Rock Mechanics

**18-Mmp-B2**, Rock Fragmentation

**18-MMP-B4**, Occupational Health, Safety and Loss Management

**18-Mmp-B9**, Rock Slope Engineering

**12-Mtl-A1**, Materials Thermodynamics

**12-Mtl-A2**, Transport Phenomena in Materials Engineering

**12-Mtl-A6**, Thermal Treatment of Metals, Glasses, Ceramics

**12-Mtl-B15**, Joining of Materials

**16-Nav-A1/98-Mar-A2**, Fundamentals of Naval Architecture

**16-Nav-A2**, Hydrodynamics of Ships(1): Resistance and Propulsion

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

**16-Nav-B2/98-Mar-A7**, Marine Engineering

**16-Nav-B6**, Design & Manufacture of Machine Elements

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



**08-Nuc-A3**, Nuclear Reactor Design

**08-Nuc-A6**, Nuclear Power Plant Systems & Operations

**08-Nuc-B1**, Nuclear Shielding

**08-Nuc-B9/16-Mec-B3**, Energy Conversion and Power Generation

**17-Pet-A1**, Principles of Stratigraphy and Sedimentation

**17-Pet-A2**, Petroleum Reservoir Fluids

**17-Pet-A3**, Fundamental Reservoir Engineering

**17-Pet-A4**, Oil and Gas Well Drilling and Completion

**17-Pet-A7**, Secondary and Enhanced Recovery

**17-Pet-B2**, Natural Gas Engineering

**17-Pet-B4**, Petroleum Geology

**17-Phys-A3/16-Elec-A7**, Electromagnetics

**17-Phys-A6**, Solid State Physics

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

**17-Phys-B4/16-Elec-A3**, Signals and Communications

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

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

**17-Phys-B7/10-Met-A4**, Structure of Materials

**19-Soft-A1**, Algorithms & Data Structures

**19-Soft-A4**, Real Time Systems

**19-Soft-A5**, Requirements and Specifications

**19-Soft-A6**, Software Quality Assurance

**19-Soft-A7**, Software Development Process

**19-Soft-B6**, Software Project Management

**19-Soft-B14**, Safety Critical Systems

**19-Soft-B15**, Artificial Intelligence

**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-A6-1/16-Civ-B9/07-Str-B3**, The Finite Element Method

**07-Str-A6-3/07-Str-B10**, Earthquake Engineering

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

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

**07-Str-B3/07-Str-A6-1/16-Civ-B9**, Applications of the Finite Element Method

**07-Str-B5**, Foundation Engineering

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

**07-Tra-A1**, Introduction to Transportation Engineering

**07-Tra-A3**, Traffic Engineering

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

**07-Tra-B5**, Railway Transportation

**07-Tra-B9**, Traffic Safety

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

**07-Wrse-A3/18-Env-A3 (EnvA3 different name)**, Soil Mechanics & Groundwater

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

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

**07-Wrse-B6/18-Env-B3**, Contaminant Transport

**07-Wrse-B11/18-Env-A1**, Principles of Environmental

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