Exams for Fall/Winter 2025 (September – December)

Technical exams for the Fall/Winter 2025 (scheduled September-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 September 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 information, Exam Formats and List of Aids.

The Fall/Winter 2025 registration will be open June 16, 2025 and the deadline is July 18, 2025.

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 by July 18, 2025 to ensure that the exam(s) will be made available for the Spring/Summer 2026 sitting.

Exams for Fall/Winter 2025

Last updated April 2, 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-A1, Applied Plant, Animal or Human Physiology

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-Agric-B7, Principles of Hydrology

04-Bio-A2, Process Dynamics and Controls

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-Phy-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-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-Geol-A6, Soil Mechanics

18-Geol-A7, Applied Geophysics

18-Geol-B1, Contaminant Hydrogeology

18-Geol-B3, Site Investigation

18-Geol-B6-1, Petroleum Deposits

18-Geol-B10-1, Gravity & Magnetic Fields

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

1**2-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-A6, Reservoir Mechanics

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-Phy-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