

## **Exams for Fall/Winter 2024 (October – December)**

Technical exams for the Fall/Winter 2024 (scheduled October-December 2024) sitting will be written remotely by computer. If you are planning to write at the Fall/Winter 2024 sitting, please be prepared to write as early as October 1, 2024. 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.

You should receive an email invitation to write at the Fall/Winter 2024 sitting in June 2024. If you are eligible to write at this sitting, you will need to register by August 2, 2024. Please inform [exams@peo.on.ca](mailto:exams@peo.on.ca) if you do not receive the email invitation by the first week of July 2024. Note: PEO is not responsible for mail delivery.

If the exam(s) you are planning to write at the Fall/Winter 2024 sitting are not listed below, send an email to [exams@peo.on.ca](mailto:exams@peo.on.ca) by July 26, 2024 to ensure that the exam(s) will be made available for the May-August 2025 sitting.

*Last updated April 25, 2024*

**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-A4**, Fluid Flow

**04-Agric-A5**, Principles of Instrumentation

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

**04-Agric-B6/07-Wrse-A7-1**, Irrigation, Drainage and Erosion Control

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

**04-Bio-A2**, Process Dynamics and Control

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

**04-Bio-A4/16-Mec-B13**, Biomechanics

**04-Bio-A7**, Fluid Mechanics

**04-Bio-B4**, Digital Image Processing

**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

**07-Bld-A6**, Geotechnical Materials and Analysis

**07-Bld-A7**, Building Envelope Design

**07-Bld-B1**, Computer Programming

**07-Bld-B4**, Modern Building Materials

**07-Bld-B5**, Fire and Smoke Control in Buildings

**07-Bld-B6**, Building Energy Conservation Technologies

**07-Bld-B7**, Indoor Air Quality

**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-A3/07-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

**17-Comp-A1**, Electronics

**17-Comp-A2**, Digital Systems Design

**17-Comp-A5**, Operating Systems

**17-Comp-A6**, Software Engineering

**17-Comp-B5**, Computer Communications

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

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

**16-Elec-A3/17-Phy-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-A1/07-Wrse-B11**, 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 and Wastewater Engineering

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

**18-Env-A6**, Solid Waste Engineering and Management

**18-Env-B1**, Environmental Assessment and Management Systems

**18-Env-B2**, Water Resources

**18-Env-B4**, Site Assessment and Remediation

**18-Env-B5**, Industrial and 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-B1**, Contaminant Hydrogeology

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

**18-Geol-B4**, Geomorphology and Pleistocene Geology

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

**18-Geom-A1**, Surveying

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

**18-Geom-A4**, Photogrammetry

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

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

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

**18-Geom-B3**, Networks and Precise Engineering Surveys

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

**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-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**, 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

**16-Mec-B13**, Biomechanics

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

**10-Met-A2**, Metallurgical Rate Phenomena

**10-Met-A3**, Metal Extraction Processes

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

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

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

**10-Met-B6**, Physical Metallurgy of Iron and Steel

**10-Met-B7**, Phys. Metallurgy of Non-Ferrous Metals & Alloys

**10-Met-B10/12-Mtl-B10**, Advanced Electronic Materials

  

**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-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 & 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-A2**, Underground Mining Methods and Design

**18-MMP-A3**, Mineral Processing

**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

**18-MMP-B3**, Material Handling

**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-A3**, Structure and characterization of material

**12-Mtl-A4/10-Met-A5**, Mechanical Behaviour and Fracture of Materials

**12-Mtl-A5**, Phase Transformations of Metals, Glasses, and Ceramics

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

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

**12-Mtl-B10/10-Met-B10**, Advanced Electronic Materials

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

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

**16-Nav-A3**, Hydrodynamics of Ships: Ship Motion Exam

**16-Nav-A4**, Ship Structure and Strength of Ships

**16-Nav-A5**, Ship Design

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

**16-Nav-B3**, Small Commercial Ships

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

**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-B3**, Oil and Gas Evaluation and Economics

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

**17-Pet-B5**, Well Testing

**17-Phys-A1**, Classical Mechanics

**17-Phys-A2**, Statistical Physics

**17-Phy-A3/16-Elec-A3**, Signals and Communications

**17-Phys-A4**, Quantum Mechanics

**17-Phys-A5-A**, Electronic Materials and Devices

**17-Phys-B1**, Radiation Physics

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

**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-B7/98-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-B4**, Dependable System

**19-Soft-B13**, Performance Analysis & Simulation

**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-A2**, Highway Design

**07-TRA-A3**, Traffic Engineering

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

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

**07-Tra-B1**, Transit System

**07-Tra-B6**, Highway Construction

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

**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-A7-1/04-Agric-B6**, Irrigation, Drainage and Erosion Control

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

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