Exams for Fall/Winter– October – December 2024

Registration Deadline is August 2, 2024.

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 and updates about the online technical exams will be posted on Engineers and Geoscientists BC's Status of Online Academic Examinations page.

If the exam(s) you are planning to write at the Fall/Winter 2024 sitting are not listed below, send an email to questions-academicreview@apegs.ca by July 20, 2024 to ensure that the exam(s) will be made available for the Spring/Summer 2025 sitting.

IMPORTANT UPDATE: APEGS has a 3 strikes rule for exams. You are only permitted to fail any combination of exams 3 times (the same exam 3 times, 3 different exams, the FE once and 2 technical exams etc.) and then your application will be denied.

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, 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

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-A5, Air Quality and Pollution Control Engineering

18-Env-A4, Water and Wastewater 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, Geodsey & 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, Algorithims & 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