



THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
TUTORIAL TEACHING ASSISTANT
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

APSC 171 – Engineering Drawing and CAD/CAM

Orthographic projections, axonometric and perspective projections, dimensioning and tolerances, computer-aided design and modelling, introduction to rapid prototyping, team-based design project.

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Tutorial TA duties may include: tutorial course delivery, marking assignments and / or quizzes, uploading grades to CANVAS, and attending meetings with the course instructor as required.

Estimated number of positions: 7

Wage for this position: As per the BCGEU Collective Agreement GTA or UTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or a graduate degree program at UBC Okanagan. Successful candidates are required to be in Kelowna for the duration of the position. (Note: a full-time undergraduate student is defined as having a minimum of 24 credits for the 2025 winter session).

APPLICATION DEADLINE: 11:59 pm APRIL 30, 2025

Equity and diversity are essential to academic excellence. An open and diverse community fosters the inclusion of voices that have been underrepresented or discouraged. We encourage applications from members of groups that have been marginalized on any grounds enumerated under the BC Human Rights Code including sex, sexual orientation, gender identity or expression, racialization, disability, political belief, religion, marital or family status, age, and/or status as a First Nation, Metis, Inuit, or Indigenous person.



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**Faculty of Applied Science
School of Engineering
TUTORIAL TEACHING ASSISTANT
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The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

APSC 172 – Engineering Analysis I

Functions, limits, differentiation, applications of derivatives, integration, applications of definite integrals.

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Tutorial TA duties may include: tutorial course delivery, marking assignments and / or quizzes, uploading grades to CANVAS, and attending meetings with the course instructor as required.

Estimated number of positions: 1

Wage for this position: As per the BCGEU Collective Agreement GTA or UTA.

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**Faculty of Applied Science
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The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

APSC 173 – Engineering Analysis II

Integrals and transcendental functions, techniques of integration, applications of integration, polar coordinates, infinite sequences and series, vectors and the geometry of space, and partial derivatives.

Start Date: January 1, 2026

End Date: April 30, 2026

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Estimated number of positions: 3

Wage for this position: As per the BCGEU Collective Agreement GTA or UTA.

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**Faculty of Applied Science
School of Engineering
LAB TEACHING ASSISTANT
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

APSC 177 – Engineering Computation and Instrumentation

Computer systems, software development, operating systems, compilers, programming in a high-level language, selection and loop structures, functions, arrays, pointers, files, data acquisition, solving engineering problems with computer programs.

Start Date: January 1, 2026

End Date: April 30, 2026

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Estimated number of positions: 3

Wage for this position: As per the BCGEU Collective Agreement GTA or UTA.

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The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

APSC 178 – Electricity, Magnetism and Waves

Electric fields and forces, electric potential, capacitance, DC circuits, magnetic fields and forces, Faraday's law, inductance, waves, light, and optics.

Start Date: January 1, 2026

End Date: April 30, 2026

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Estimated number of positions: 3

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The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

APSC 181 – Dynamics

Kinematics of particles, curvilinear motion, normal-tangential, polar, cylindrical coordinates, force and acceleration, equation of motions, work and energy, conservation of energy. Introduction to rigid body dynamics.

Start Date: January 1, 2026

End Date: April 30, 2026

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Estimated number of positions: 5

Wage for this position: As per the BCGEU Collective Agreement GTA or UTA.

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**Faculty of Applied Science
School of Engineering
LAB & TUTORIAL TEACHING ASSISTANTS
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

APSC 183 – Matter and Energy II

Chemical equilibrium, reactions in gas phase and in aqueous solutions, acid-base and redox reactions, kinetics of chemical reactions, thermochemistry, electrochemistry, and organic chemistry.

Start Date: January 1, 2026

End Date: April 30, 2026

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Typical Tutorial TA duties may include: tutorial course delivery, marking assignments and / or quizzes, uploading grades to CANVAS, and attending meetings with the course instructor as required.

Estimated number of positions: 6

Wage for this position: As per the BCGEU Collective Agreement GTA or UTA.

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**Faculty of Applied Science
School of Engineering
MARKING TEACHING ASSISTANT
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

APSC 201 – Technical Communication

Written and oral communication in engineering. Report preparation, business correspondence, and oral presentation of technical material.

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Marking TA duties may include: marking course assignments and / or quizzes, uploading grades to CANVAS, and attending meetings with the course instructor as required. Collecting and filing student sample work for accreditation.

Estimated number of positions: 4

Wage for this position: As per the BCGEU Collective Agreement GTA or UTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or a graduate degree program at UBC Okanagan. Successful candidates are required to be in Kelowna for the duration of the position. (Note: a full-time undergraduate student is defined as having a minimum of 24 credits for the 2025 winter session).

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School of Engineering
LAB & TUTORIAL TEACHING ASSISTANTS
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The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

APSC 253 – Fluid Mechanics

Fluid properties and fluid statics; principles of conservation of mass, momentum, and energy; laminar and turbulent flow; dimensional analysis; pipe flow; valves and fittings, flow measurements.

Start Date: January 1, 2026

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Typical Tutorial TA duties may include: tutorial course delivery, marking assignments and / or quizzes, uploading grades to CANVAS, and attending meetings with the course instructor as required.

Estimated number of positions: 8

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The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

APSC 255 – Electric Circuits and Power

Circuit analysis techniques for steady-state AC and DC circuits containing independent and dependent voltage and current sources, resistance, capacitance and inductance. DC maximum power transfer. AC power including real, reactive, apparent and complex power and power factor. AC power analysis using phasors. Three-phase AC power systems.

Start Date: January 1, 2026

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Estimated number of positions: 6

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**Faculty of Applied Science
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LAB & MARKING TEACHING ASSISTANTS
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The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

APSC 258 – Applications of Engineering Design

Principles of engineering design, applied to a team-based design project. Use of probability, programming, decision making, economic principles, systems theory, and technical communication in design projects.

Start Date: January 1, 2026

End Date: April 30, 2026

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Estimated number of positions: 3

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TUTORIAL TEACHING ASSISTANT
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

APSC 260 – Mechanics of Materials I

Concepts of stress and strain. Axial, shear forces and bending moment diagrams for statically determinate structures, torsion in shafts. Axial and shear stresses and deformations. Transformation of plane stress, Mohr's circle.

Start Date: January 1, 2026

End Date: April 30, 2026

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Estimated number of positions: 4

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TUTORIAL TEACHING ASSISTANT
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

APSC 261 – Theory of Structures

Type of structures and structural elements. Loads and load path. Design objectives, philosophy and limit states. Static determinacy and stability. Analysis of statically determinate structures. Deflection using energy and geometrical methods. Influence lines.

Start Date: January 1, 2026

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The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

APSC 262 – Digital Logic Design

Logic design methods, hardware description language (HDL), number representation and arithmetic circuits, combinational circuits, flip-flops, registers, programmable logic devices (FPGAs), counters, finite state machines, digital system designs.

Start Date: January 1, 2026

End Date: April 30, 2026

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Estimated number of positions: 2

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LAB & MARKING TEACHING ASSISTANTS
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The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

APSC 270 – Signals and Communication Systems

Fourier series and Fourier transform analysis of signals; sampling theorem; amplitude; phase; and frequency modulation; baseband digital transmission; pulse code modulation and quantization; Nyquist pulses; inter-symbol interference.

Start Date: January 1, 2026

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Estimated number of positions: 3

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The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

APSC 278 – Electric and Magnetic Fields

Review of vector calculus and coordinate systems; electrostatic fields; electric dipoles and polarization; magnetostatics fields; magnetic dipoles and magnetization; boundary conditions; electromagnetic induction; Maxwell's equations.

Start Date: January 1, 2026

End Date: April 30, 2026

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Estimated number of positions: 2

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**Faculty of Applied Science
School of Engineering
MARKING TEACHING ASSISTANT
(GTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

APSC 519 – System Identification

Identification of dynamical systems by considering input signals, sensor measurements, noise, and disturbance, as well as using parameter estimation, model selection and validation, and practical considerations.

Start Date: January 1, 2026

End Date: April 30, 2026

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Estimated number of positions: 1

Wage for this position: As per the BCGEU Collective Agreement GTA.

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**Faculty of Applied Science
School of Engineering
LAB TEACHING ASSISTANT
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The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

CMPE 246 – Computer Engineering Design Studio

Embedded systems programming, App development for Internet of Thing applications, Microprocessor Programming.

Start Date: January 1, 2026

End Date: April 30, 2026

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Estimated number of positions: 1

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CMPE 301 – Software System and Design for Engineers

Software development life cycle, architectural patterns, design patterns and anti-patterns, model-view-controller pattern, object-oriented design principles, design for scalability and performance, design for maintainability and testability. Software design principles applied to industrial automated systems on a laboratory scale.

Start Date: January 1, 2026

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
MARKING TEACHING ASSISTANT
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 305 – Engineering Economic Analysis

Cost concepts, accounting, time value of money; depreciation and taxes; public sector projects; economic evaluation techniques; handling uncertainty; sustainability in economic evaluation; societal context; infrastructure management needs; project impacts, mitigating risk. Case studies.

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Marking TA duties may include: marking course assignments and / or quizzes, uploading grades to CANVAS, and attending meetings with the course instructor as required. Collecting and filing student sample work for accreditation.

Estimated number of positions: 3

Wage for this position: As per the BCGEU Collective Agreement GTA or UTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or a graduate degree program at UBC Okanagan. Successful candidates are required to be in Kelowna for the duration of the position. (Note: a full-time undergraduate student is defined as having a minimum of 24 credits for the 2025 winter session).

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
TUTORIAL & LAB TEACHING ASSISTANTS
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 315 – Systems and Control

Dynamic systems, linear systems, control concepts, block diagrams, transient response, root locus, frequency response, Bode and Nyquist plots, and controller design.

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Tutorial TA duties may include: tutorial course delivery, marking assignments and / or quizzes, uploading grades to CANVAS, and attending meetings with the course instructor as required.

Typical Lab TA duties may include: attending lab training, preparing for lab sections, providing instruction on theory and lab procedures, marking lab reports, assignments and / or quizzes, uploading grades to CANVAS, reviewing and improving lab procedures, monitoring student compliance with lab safety rules, and correcting experiment setups during labs as required.

Estimated number of positions: 5

Wage for this position: As per the BCGEU Collective Agreement GTA or UTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or a graduate degree program at UBC Okanagan. Successful candidates are required to be in Kelowna for the duration of the position. (Note: a full-time undergraduate student is defined as having a minimum of 24 credits for the 2025 winter session).

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
TUTORIAL & LAB TEACHING ASSISTANTS
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 320 – Electromechanical Devices

DC and AC magnetic circuits, transformers, DC machines, principles of electromagnetic devices, synchronous machines, induction motors, and brushless DC motors.

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Tutorial TA duties may include: tutorial course delivery, marking assignments and / or quizzes, uploading grades to CANVAS, and attending meetings with the course instructor as required.

Typical Lab TA duties may include: attending lab training, preparing for lab sections, providing instruction on theory and lab procedures, marking lab reports, assignments and / or quizzes, uploading grades to CANVAS, reviewing and improving lab procedures, monitoring student compliance with lab safety rules, and correcting experiment setups during labs as required.

Estimated number of positions: 4

Wage for this position: As per the BCGEU Collective Agreement GTA or UTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or a graduate degree program at UBC Okanagan. Successful candidates are required to be in Kelowna for the duration of the position. (Note: a full-time undergraduate student is defined as having a minimum of 24 credits for the 2025 winter session).

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
MARKING TEACHING ASSISTANT
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 330 – Reliability and Risk Analysis for Civil Engineering

Applied probability and simulation for civil engineering infrastructure. Methods for probabilistic risk and reliability analysis. Risk-based decision making.

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Marking TA duties may include: marking course assignments and / or quizzes, uploading grades to CANVAS, and attending meetings with the course instructor as required. Collecting and filing student sample work for accreditation.

Estimated number of positions: 1

Wage for this position: As per the BCGEU Collective Agreement GTA or UTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or a graduate degree program at UBC Okanagan. Successful candidates are required to be in Kelowna for the duration of the position. (Note: a full-time undergraduate student is defined as having a minimum of 24 credits for the 2025 winter session).

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
MARKING TEACHING ASSISTANT
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 331 – Infrastructure Management I

Introduction to asset management, municipal infrastructure systems, performance and prioritization measures, data management, life cycle costing, decision support tools, integrated approach.

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Marking TA duties may include: marking course assignments and / or quizzes, uploading grades to CANVAS, and attending meetings with the course instructor as required. Collecting and filing student sample work for accreditation.

Estimated number of positions: 2

Wage for this position: As per the BCGEU Collective Agreement GTA or UTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or a graduate degree program at UBC Okanagan. Successful candidates are required to be in Kelowna for the duration of the position. (Note: a full-time undergraduate student is defined as having a minimum of 24 credits for the 2025 winter session).

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
LAB & MARKING TEACHING ASSISTANTS
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 332 – Surveying and GIS Analysis

Theory and application methods for measuring and representing objects of interest on, below, and over the earth's surface, and for analyzing data to meet engineering design and operational objectives driven by socio-economic or environmental concerns of natural and engineered systems.

Start Date: January 1, 2026

End Date: April 30, 2026

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Typical Marking TA duties may include: marking course assignments and / or quizzes, uploading grades to CANVAS, and attending meetings with the course instructor as required. Collecting and filing student sample work for accreditation.

Estimated number of positions: 4

Wage for this position: As per the BCGEU Collective Agreement GTA or UTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or a graduate degree program at UBC Okanagan. Successful candidates are required to be in Kelowna for the duration of the position. (Note: a full-time undergraduate student is defined as having a minimum of 24 credits for the 2025 winter session).

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
LAB TEACHING ASSISTANT
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 335 – Transportation Engineering

Analysis, planning, design, and operation of transportation systems, including: governance, economics, land use, transport modes, users, roads, freeways, end-of-trip facilities, public transit, and intersection controls.

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Lab TA duties may include: attending lab training, preparing for lab sections, providing instruction on theory and lab procedures, marking lab reports, assignments and / or quizzes, uploading grades to CANVAS, reviewing and improving lab procedures, monitoring student compliance with lab safety rules, and correcting experiment setups during labs as required.

Estimated number of positions: 3

Wage for this position: As per the BCGEU Collective Agreement GTA or UTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or a graduate degree program at UBC Okanagan. Successful candidates are required to be in Kelowna for the duration of the position. (Note: a full-time undergraduate student is defined as having a minimum of 24 credits for the 2025 winter session).

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
LAB & MARKING TEACHING ASSISTANTS
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 340 – Soil Mechanics

Geological processes, soil classification, principle of effective stress, seepage analysis, shear strength, soil compaction, consolidation, and slope stability analysis.

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Lab TA duties may include: attending lab training, preparing for lab sections, providing instruction on theory and lab procedures, marking lab reports, assignments and / or quizzes, uploading grades to CANVAS, reviewing and improving lab procedures, monitoring student compliance with lab safety rules, and correcting experiment setups during labs as required.

Typical Marking TA duties may include: marking course assignments and / or quizzes, uploading grades to CANVAS, and attending meetings with the course instructor as required. Collecting and filing student sample work for accreditation.

Estimated number of positions: 3

Wage for this position: As per the BCGEU Collective Agreement GTA or UTA.

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
LAB & MARKING TEACHING ASSISTANTS
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 352 – Microelectronics II

Building blocks of integrated-circuit amplifiers; differential multistage amplifiers; frequency response; feedback; output stages and power amplifiers; and operational amplifier circuitry.

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Lab TA duties may include: attending lab training, preparing for lab sections, providing instruction on theory and lab procedures, marking lab reports, assignments and / or quizzes, uploading grades to CANVAS, reviewing and improving lab procedures, monitoring student compliance with lab safety rules, and correcting experiment setups during labs as required.

Typical Marking TA duties may include: marking course assignments and / or quizzes, uploading grades to CANVAS, and attending meetings with the course instructor as required. Collecting and filing student sample work for accreditation.

Estimated number of positions: 3

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Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or a graduate degree program at UBC Okanagan. Successful candidates are required to be in Kelowna for the duration of the position. (Note: a full-time undergraduate student is defined as having a minimum of 24 credits for the 2025 winter session).

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
TUTORIAL TEACHING ASSISTANT
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 362 – Digital Signal Processing I

Discrete-time signals and systems, difference equations, sampling and aliasing, decimation and interpolation, quantization errors, z-transform, discrete Fourier transform, fast Fourier transform, implementation of discrete-time systems, finite and infinite impulse response filter design.

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Tutorial TA duties may include: tutorial course delivery, marking assignments and / or quizzes, uploading grades to CANVAS, and attending meetings with the course instructor as required.

Estimated number of positions: 1

Wage for this position: As per the BCGEU Collective Agreement GTA or UTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or a graduate degree program at UBC Okanagan. Successful candidates are required to be in Kelowna for the duration of the position. (Note: a full-time undergraduate student is defined as having a minimum of 24 credits for the 2025 winter session).

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
TUTORIAL TEACHING ASSISTANT
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 375 – Energy System Design

Primary energy sources and carriers. Energy conversion. Analysis of thermal systems. Reacting systems and combustion. Thermal systems design including steam power plants, gas turbines, internal combustion engines, and refrigeration systems.

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Tutorial TA duties may include: tutorial course delivery, marking assignments and / or quizzes, uploading grades to CANVAS, and attending meetings with the course instructor as required.

Estimated number of positions: 2

Wage for this position: As per the BCGEU Collective Agreement GTA or UTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or a graduate degree program at UBC Okanagan. Successful candidates are required to be in Kelowna for the duration of the position. (Note: a full-time undergraduate student is defined as having a minimum of 24 credits for the 2025 winter session).

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
TUTORIAL TEACHING ASSISTANT
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 378 – Electromagnetics for Engineering

Maxwell's equations, time harmonic fields, plane waves in media, polarization, Fresnel equations, transmission lines, scattering parameters, the Smith Chart, and waveguides.

Start Date: January 1, 2026

End Date: April 30, 2026

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Estimated number of positions: 1

Wage for this position: As per the BCGEU Collective Agreement GTA or UTA.

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
TUTORIAL TEACHING ASSISTANT
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 380 – Design of Machine Elements

Product design methodology; static and fatigue failure theory; design/selection of components including shafts, springs, bearings, gears, brakes, and clutches; design of bolted joints, power screws, and welds; design evaluation and optimization.

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Tutorial TA duties may include: tutorial course delivery, marking assignments and / or quizzes, uploading grades to CANVAS, and attending meetings with the course instructor as required.

Estimated number of positions: 2

Wage for this position: As per the BCGEU Collective Agreement GTA or UTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or a graduate degree program at UBC Okanagan. Successful candidates are required to be in Kelowna for the duration of the position. (Note: a full-time undergraduate student is defined as having a minimum of 24 credits for the 2025 winter session).

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
TUTORIAL & LAB TEACHING ASSISTANTS
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 385 – Heat Transfer Applications

Steady and transient conduction heat transfer, radiation heat transfer, convection heat transfer, introduction to heat exchanger.

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Tutorial TA duties may include: tutorial course delivery, marking assignments and / or quizzes, uploading grades to CANVAS, and attending meetings with the course instructor as required.

Typical Lab TA duties may include: attending lab training, preparing for lab sections, providing instruction on theory and lab procedures, marking lab reports, assignments and / or quizzes, uploading grades to CANVAS, reviewing and improving lab procedures, monitoring student compliance with lab safety rules, and correcting experiment setups during labs as required.

Estimated number of positions: 3

Wage for this position: As per the BCGEU Collective Agreement GTA or UTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or a graduate degree program at UBC Okanagan. Successful candidates are required to be in Kelowna for the duration of the position. (Note: a full-time undergraduate student is defined as having a minimum of 24 credits for the 2025 winter session).

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
MARKING TEACHING ASSISTANT
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 400 – Applied Machine Vision for Engineers

Application of machine vision across various engineering disciplines. Analysis of visual scenes, feature descriptors, colour, segmentation, shape estimation, motion, stereo, pattern classification, camera calibration, 3-D vision, software and hardware architectures.

Start Date: January 1, 2026

End Date: April 30, 2026

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Estimated number of positions: 1

Wage for this position: As per the BCGEU Collective Agreement GTA or UTA.

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
LAB TEACHING ASSISTANT
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 406 – Microelectromechanical Systems

Mechanisms, design, fabrication, and testing of microsensors, actuators, and MicroElectroMechanical systems (MEMS).

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Lab TA duties may include: attending lab training, preparing for lab sections, providing instruction on theory and lab procedures, marking lab reports, assignments and / or quizzes, uploading grades to CANVAS, reviewing and improving lab procedures, monitoring student compliance with lab safety rules, and correcting experiment setups during labs as required.

Estimated number of positions: 2

Wage for this position: As per the BCGEU Collective Agreement GTA or UTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or a graduate degree program at UBC Okanagan. Successful candidates are required to be in Kelowna for the duration of the position. (Note: a full-time undergraduate student is defined as having a minimum of 24 credits for the 2025 winter session).

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
MARKING TEACHING ASSISTANT
(GTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 411/511 – Technology Entrepreneurship for Engineers

Technology and innovation, business models, customer development, intellectual property, product development, customer validation, hypothesis testing, company positioning.

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Marking TA duties may include: marking course assignments and / or quizzes, uploading grades to CANVAS, and attending meetings with the course instructor as required. Collecting and filing student sample work for accreditation.

Estimated number of positions: 1

Wage for this position: As per the BCGEU Collective Agreement GTA.

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
MARKING TEACHING ASSISTANT
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 413 – Law Ethics for Engineers

Ethical theories and their application. The Canadian legal system. Companies, partnerships, independent contractors. Contract documents, specifications, liability, torts and liens. Intellectual property. Agency; evidence; role of an expert witness. Employment law. Professional Governance Act, Code of Ethics, consultation and engagement with Indigenous communities.

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Marking TA duties may include: marking course assignments and / or quizzes, uploading grades to CANVAS, and attending meetings with the course instructor as required. Collecting and filing student sample work for accreditation.

Estimated number of positions: 4

Wage for this position: As per the BCGEU Collective Agreement GTA or UTA.

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
LAB & MARKING TEACHING ASSISTANTS
(GTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 414/APSC 514 – Precast Concrete Structures

Means and methods of precast concrete construction; advanced design of precast concrete structures; analysis of experimental data of precast concrete components; innovations in precast concrete construction.

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Lab TA duties may include: attending lab training, preparing for lab sections, providing instruction on theory and lab procedures, marking lab reports, assignments and / or quizzes, uploading grades to CANVAS, reviewing and improving lab procedures, monitoring student compliance with lab safety rules, and correcting experiment setups during labs as required.

Typical Marking TA duties may include: marking course assignments and / or quizzes, uploading grades to CANVAS, and attending meetings with the course instructor as required. Collecting and filing student sample work for accreditation.

Estimated number of positions: 2

Wage for this position: As per the BCGEU Collective Agreement GTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or a graduate degree program at UBC Okanagan. Successful candidates are required to be in Kelowna for the duration of the position. (Note: a full-time undergraduate student is defined as having a minimum of 24 credits for the 2025 winter session).

APPLICATION DEADLINE: 11:59 pm APRIL 30, 2025

Equity and diversity are essential to academic excellence. An open and diverse community fosters the inclusion of voices that have been underrepresented or discouraged. We encourage applications from members of groups that have been marginalized on any grounds enumerated under the BC Human Rights Code including sex, sexual orientation, gender identity or expression, racialization, disability, political belief, religion, marital or family status, age, and/or status as a First Nation, Metis, Inuit, or Indigenous person.



THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
MARKING TEACHING ASSISTANT
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 424 – Smart Cities

Smart city concept, smart city standardization, smart grid and energy management, Internet of Things and cloud computing for smart city, smart city lighting, intelligent transportation, technology enhanced infrastructure, water solutions, smart buildings and technology, data analytics in smart cities.

Start Date: January 1, 2026

End Date: April 30, 2026

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Estimated number of positions: 1

Wage for this position: As per the BCGEU Collective Agreement GTA or UTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or a graduate degree program at UBC Okanagan. Successful candidates are required to be in Kelowna for the duration of the position. (Note: a full-time undergraduate student is defined as having a minimum of 24 credits for the 2025 winter session).

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
MARKING TEACHING ASSISTANT
(GTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 425/522 – Design of Steel and Timber Structures

Introduction to limit states design of steel and timber structures: material properties, design of tension and compression members, beams, columns, and connections.

Start Date: January 1, 2026

End Date: April 30, 2026

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Estimated number of positions: 1

Wage for this position: As per the BCGEU Collective Agreement GTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or a graduate degree program at UBC Okanagan. Successful candidates are required to be in Kelowna for the duration of the position. (Note: a full-time undergraduate student is defined as having a minimum of 24 credits for the 2025 winter session).

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
MARKING TEACHING ASSISTANT
(GTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 429/529 – Rehabilitation of Concrete Structures

Concrete damage and deterioration mechanisms, assessment and instrumentation; repair and strengthening materials and techniques; design of structural strengthening systems.

Start Date: January 1, 2026

End Date: April 30, 2026

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Estimated number of positions: 1

Wage for this position: As per the BCGEU Collective Agreement GTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or a graduate degree program at UBC Okanagan. Successful candidates are required to be in Kelowna for the duration of the position. (Note: a full-time undergraduate student is defined as having a minimum of 24 credits for the 2025 winter session).

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
MARKING TEACHING ASSISTANT
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 433 – Construction Engineering and Management

Analysis, design, and operation of transport systems that support our urban and rural communities, including: traffic studies and field surveys; capacity and level of service analysis; simulation and optimization of networks; transportation demand management; and CAD optimization of horizontal and vertical corridor alignments.

Start Date: January 1, 2026

End Date: April 30, 2026

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Estimated number of positions: 1

Wage for this position: As per the BCGEU Collective Agreement GTA or UTA.

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
MARKING TEACHING ASSISTANT
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 441 – Advanced Water Treatment Processes

Theory and design of advanced drinking water treatment processes used for challenging source water conditions including advanced oxidation, membrane filtration, ultraviolet disinfection, and adsorption processes. Discussion of removal of emerging contaminants (e.g. pharmaceuticals), regulated and unregulated disinfection by-products, and current issues in potable water treatment and quality.

Start Date: January 1, 2026

End Date: April 30, 2026

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
MARKING TEACHING ASSISTANT
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 445 – Design of Water and Wastewater Conveyance Systems

Identification and evaluation of design solutions for providing a community with adequate water supply, collecting and disposing of stormwater and sewage, and managing excess stormwater flow.

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Marking TA duties may include: marking course assignments and / or quizzes, uploading grades to CANVAS, and attending meetings with the course instructor as required. Collecting and filing student sample work for accreditation.

Estimated number of positions: 1

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
LAB TEACHING ASSISTANT
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 450 – Clinical Engineering

The clinical environment and the role of a clinical engineer in supporting and advancing health care, in applying human factors in the health care setting, and performing health technology management. Labs explore a virtual operating room.

Start Date: January 1, 2026

End Date: April 30, 2026

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Estimated number of positions: 1

Wage for this position: As per the BCGEU Collective Agreement GTA or UTA.

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
LAB & MARKING TEACHING ASSISTANTS
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 453 – Internet of Things

Sensing, actuation, sampling, analog-to-digital and digital-to-analog conversion, voice over IP, video codecs, audio codecs, multimedia communication protocols for IoT, wireless communication protocols for IoT.

Start Date: January 1, 2026

End Date: April 30, 2026

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Estimated number of positions: 2

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
LAB & MARKING TEACHING ASSISTANTS
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 454 – Motor Drive Systems

Three-phase AC/DC PWM inverter, converter modulation techniques, abc/qd reference frame theory, brushed DC machine drives, induction motor drives, permanent magnet AC machines, brushless dc motors and drive circuits.

Start Date: January 1, 2026

End Date: April 30, 2026

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
MARKING TEACHING ASSISTANT
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 460 – Tools and Applications in Environmental Engineering Microbiology

Fundamentals of environmental microbiology and DNA sequencing technologies including microbial detection with molecular methods, bioinformatics and computational analysis.

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Marking TA duties may include: marking course assignments and / or quizzes, uploading grades to CANVAS, and attending meetings with the course instructor as required. Collecting and filing student sample work for accreditation.

Estimated number of positions: 1

Wage for this position: As per the BCGEU Collective Agreement GTA or UTA.

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
LAB TEACHING ASSISTANT
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 468 – Advanced Digital System Design

Design flows, system-on-chip design practices, timing, clock domains, high-speed data links, intellectual property reuse and platform-based design, application specific computing, ASIC and FPGA technologies, and hardware/software co-design.

Start Date: January 1, 2026

End Date: April 30, 2026

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
MARKING TEACHING ASSISTANT
(GTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 469/563 – Polymer Engineering

Introduction to polymer science and technology, molecular structure of polymers, polymer synthesis, structure-property relationship in polymers, physical properties of polymers, reinforced polymers, polymer composites and nanocomposites, polymer characterization, polymer processing, and forming.

Start Date: January 1, 2026

End Date: April 30, 2026

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
LAB & MARKING TEACHING ASSISTANTS
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 474 – Analog Integrated Circuits

Design and analysis of analog integrated circuits with emphasis on CMOS technology. MOS device physics and models, processing technology and layout, differential amplifiers, current mirrors, noise, feedback, opamp design and compensation, two-stage CMOS opamp design, switched-capacitor filters.

Start Date: January 1, 2026

End Date: April 30, 2026

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
MARKING TEACHING ASSISTANT
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 477 – Aircraft Propulsion

Propulsion requirements, effects of Mach number, altitude, and application; basic propeller theory; propeller, turboshaft, turbojet, turbofan; cycle analysis and optimization for gas turbine power plant; inter-relations between thermodynamic, aerodynamic and mechanical designs; selection of aeroengines; principles of rocket propulsion systems.

Start Date: January 1, 2026

End Date: April 30, 2026

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
MARKING TEACHING ASSISTANT
(GTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 479/545 – Measurement Principles in Thermal-Fluids

Instruments and methods of measuring fluid thermo-physical properties. Pressure-based velocity measurements. Thermal anemometry. Particle-based techniques for velocity measurement. Sonic anemometry/thermometry. Measurement of flow pressure and density. Measurement techniques for temperature and heat flux. Fundamentals of data processing and analysis.

Start Date: January 1, 2026

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
MARKING TEACHING ASSISTANT
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 481 – Mechatronics

Operating principles, analysis, modelling, and performance specifications of sensors, actuators, and mechatronic systems. Sensor selection, actuator sizing, and integration. Programmable logic control (PLC) systems and control techniques pertaining to actuators. Control system implementation.

Start Date: January 1, 2026

End Date: April 30, 2026

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Estimated number of positions: 1

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
MARKING TEACHING ASSISTANT
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 482 – Biomedical Engineering I

Introduction to the microcirculation; gas exchange in organs, including diffusion, perfusion and ventilation; surface energy in biological systems; principles of hemodynamics including vascular resistance and flow regimes at different levels of organs, tissues and cells; principles of tissue mechanics; introduction to tissue engineering; introduction to medical devices design and development.

Start Date: January 1, 2026

End Date: April 30, 2026

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
MARKING TEACHING ASSISTANT
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 486 – Robot Modelling and Control

Spatial description and homogeneous transformations, manipulator kinematics (forward and inverse), Jacobian, motion trajectories. Manipulator dynamics, Lagrange-Euler and Newton-Euler formulation. Linear and nonlinear control, force control. Industrial robotic system and programming.

Start Date: January 1, 2026

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Estimated number of positions: 1

Wage for this position: As per the BCGEU Collective Agreement GTA or UTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or a graduate degree program at UBC Okanagan. Successful candidates are required to be in Kelowna for the duration of the position. (Note: a full-time undergraduate student is defined as having a minimum of 24 credits for the 2025 winter session).

APPLICATION DEADLINE: 11:59 pm APRIL 30, 2025

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
MARKING TEACHING ASSISTANT
(GTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 487/587 – Digital Control

Digital control theory and a brief review of classical control and its relationship to discrete systems.

Discrete time systems, sampling, z-transform, pulse transfer function, stability in z-domain, pole-placement control design and state estimation, discrete linear quadratic optimal control, introduction to system identification and Kalman filter.

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Marking TA duties may include: marking course assignments and / or quizzes, uploading grades to CANVAS, and attending meetings with the course instructor as required. Collecting and filing student sample work for accreditation.

Estimated number of positions: 2

Wage for this position: As per the BCGEU Collective Agreement GTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or a graduate degree program at UBC Okanagan. Successful candidates are required to be in Kelowna for the duration of the position. (Note: a full-time undergraduate student is defined as having a minimum of 24 credits for the 2025 winter session).

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
MARKING TEACHING ASSISTANT
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 491 – Computational Fluid Dynamics

Computational fluid dynamics theory and methods for the numerical simulation of heat and fluid flow. Governing equations, meshing strategies and mesh requirements, finite difference methods, finite volume methods, solution of algebraic systems of equations, compressible flows, turbulence modelling.

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Marking TA duties may include: marking course assignments and / or quizzes, uploading grades to CANVAS, and attending meetings with the course instructor as required. Collecting and filing student sample work for accreditation.

Estimated number of positions: 1

Wage for this position: As per the BCGEU Collective Agreement GTA or UTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or a graduate degree program at UBC Okanagan. Successful candidates are required to be in Kelowna for the duration of the position. (Note: a full-time undergraduate student is defined as having a minimum of 24 credits for the 2025 winter session).

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
LAB TEACHING ASSISTANT
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 494 – Autonomous Vehicle Technology

Autonomous navigation: perception, localization and mapping, motion planning, and motion control; and applications to unmanned aerial vehicles (UAVs), automated vehicles and self-driving cars.

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Lab TA duties may include: attending lab training, preparing for lab sections, providing instruction on theory and lab procedures, marking lab reports, assignments and / or quizzes, uploading grades to CANVAS, reviewing and improving lab procedures, monitoring student compliance with lab safety rules, and correcting experiment setups during labs as required.

Estimated number of positions: 1

Wage for this position: As per the BCGEU Collective Agreement GTA or UTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or a graduate degree program at UBC Okanagan. Successful candidates are required to be in Kelowna for the duration of the position. (Note: a full-time undergraduate student is defined as having a minimum of 24 credits for the 2025 winter session).

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
MARKING TEACHING ASSISTANT
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 495 – Tissue Engineering

Fundamentals of cell biology; extracellular matrix, receptors, and cell-cell and cell-matrix interactions at both the theoretical and experimental levels; effects of physical, chemical, and electrical stimuli on cell function; tissue structure and function and the clinical need for tissue repair; scaffold design and processing for tissue engineering.

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Marking TA duties may include: marking course assignments and / or quizzes, uploading grades to CANVAS, and attending meetings with the course instructor as required. Collecting and filing student sample work for accreditation.

Estimated number of positions: 1

Wage for this position: As per the BCGEU Collective Agreement GTA or UTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or a graduate degree program at UBC Okanagan. Successful candidates are required to be in Kelowna for the duration of the position. (Note: a full-time undergraduate student is defined as having a minimum of 24 credits for the 2025 winter session).

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
MARKING TEACHING ASSISTANT
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 497 – Combustion Processes

Combustion thermochemistry, fundamentals of mass transfer, chemical kinetics and combustion related chemical mechanisms, analysis of coupled thermal and chemical systems, laminar and turbulent flames, premixed and non-premixed flames, and combustion instabilities (e.g., thermoacoustics).

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Marking TA duties may include: marking course assignments and / or quizzes, uploading grades to CANVAS, and attending meetings with the course instructor as required. Collecting and filing student sample work for accreditation.

Estimated number of positions: 1

Wage for this position: As per the BCGEU Collective Agreement GTA or UTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or a graduate degree program at UBC Okanagan. Successful candidates are required to be in Kelowna for the duration of the position. (Note: a full-time undergraduate student is defined as having a minimum of 24 credits for the 2025 winter session).

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
LAB TEACHING ASSISTANT
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 498 – Communications Lab
(Course description not available at this time.)

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Lab TA duties may include: attending lab training, preparing for lab sections, providing instruction on theory and lab procedures, marking lab reports, assignments and / or quizzes, uploading grades to CANVAS, reviewing and improving lab procedures, monitoring student compliance with lab safety rules, and correcting experiment setups during labs as required.

Estimated number of positions: 2

Wage for this position: As per the BCGEU Collective Agreement GTA or UTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or a graduate degree program at UBC Okanagan. Successful candidates are required to be in Kelowna for the duration of the position. (Note: a full-time undergraduate student is defined as having a minimum of 24 credits for the 2025 winter session).

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
LAB TEACHING ASSISTANT
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 499 – Engineering Capstone Design Project

A capstone design project in response to an actual engineering problem. The project can be multi-disciplinary or in a specialized area of engineering. Students are required to submit a comprehensive project report and deliver a formal presentation.

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Lab TA duties may include: attending lab training, preparing for lab sections, providing instruction on theory and lab procedures, marking lab reports, assignments and / or quizzes, uploading grades to CANVAS, reviewing and improving lab procedures, monitoring student compliance with lab safety rules, and correcting experiment setups during labs as required.

Estimated number of positions: 5

Wage for this position: As per the BCGEU Collective Agreement GTA or UTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or a graduate degree program at UBC Okanagan. Successful candidates are required to be in Kelowna for the duration of the position. (Note: a full-time undergraduate student is defined as having a minimum of 24 credits for the 2025 winter session).

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
MARKING TEACHING ASSISTANT
(GTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 501/CMPE 401 – Deep and Reinforcement Learning for Engineers

Foundations of neural networks and deep learning; techniques to improve neural networks; convolutional neural networks recurrent neural networks and their applications; reinforcement learning: basics, Q-learning, actor-critic algorithm; practical engineering applications of deep and reinforcement learning.

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Marking TA duties may include: marking course assignments and / or quizzes, uploading grades to CANVAS, and attending meetings with the course instructor as required. Collecting and filing student sample work for accreditation.

Estimated number of positions: 1

Wage for this position: As per the BCGEU Collective Agreement GTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or a graduate degree program at UBC Okanagan. Successful candidates are required to be in Kelowna for the duration of the position. (Note: a full-time undergraduate student is defined as having a minimum of 24 credits for the 2025 winter session).

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
MARKING TEACHING ASSISTANT
(GTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 502 – Technical Communication for Engineering Research

Strategies for clear, effective, and ethical technical communication (both written and oral). Tools and formatting for graphics, technical reports, proposals, journal papers, theses.

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Marking TA duties may include: marking course assignments and / or quizzes, uploading grades to CANVAS, and attending meetings with the course instructor as required. Collecting and filing student sample work for accreditation.

Estimated number of positions: 1

Wage for this position: As per the BCGEU Collective Agreement GTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or a graduate degree program at UBC Okanagan. Successful candidates are required to be in Kelowna for the duration of the position. (Note: a full-time undergraduate student is defined as having a minimum of 24 credits for the 2025 winter session).

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
MARKING TEACHING ASSISTANT
(GTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 523 – Seismic Design of Buildings

Review of structural dynamics and response spectra; seismic design of steel and masonry buildings; seismic design of reinforced concrete structures; design using simplified code procedures and computer tools.

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Marking TA duties may include: marking course assignments and / or quizzes, uploading grades to CANVAS, and attending meetings with the course instructor as required. Collecting and filing student sample work for accreditation.

Estimated number of positions: 1

Wage for this position: As per the BCGEU Collective Agreement GTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or a graduate degree program at UBC Okanagan. Successful candidates are required to be in Kelowna for the duration of the position. (Note: a full-time undergraduate student is defined as having a minimum of 24 credits for the 2025 winter session).

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
MARKING TEACHING ASSISTANT
(GTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 532 – Project Planning and Control

Project planning and alignment, project control standards and deliverables, project selection process, project definition rating index, and risk management. Analytical hierarchical processes, and Monte-Carlo simulation in scheduling and costing.

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Marking TA duties may include: marking course assignments and / or quizzes, uploading grades to CANVAS, and attending meetings with the course instructor as required. Collecting and filing student sample work for accreditation.

Estimated number of positions: 1

Wage for this position: As per the BCGEU Collective Agreement GTA.

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
MARKING TEACHING ASSISTANT
(GTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 534 – Road Safety Planning and Engineering

Quantifying the link between built form (land use) and road safety levels; data extraction, stratification, and aggregation; micro and macro-level generalized linear regression modelling; and road safety applications.

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Marking TA duties may include: marking course assignments and / or quizzes, uploading grades to CANVAS, and attending meetings with the course instructor as required. Collecting and filing student sample work for accreditation.

Estimated number of positions: 1

Wage for this position: As per the BCGEU Collective Agreement GTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or a graduate degree program at UBC Okanagan. Successful candidates are required to be in Kelowna for the duration of the position. (Note: a full-time undergraduate student is defined as having a minimum of 24 credits for the 2025 winter session).

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
MARKING TEACHING ASSISTANT
(GTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 535 – Autonomous Vehicle Technology

Autonomous navigation: perception, localization and mapping, motion planning, and motion control; and applications to unmanned aerial vehicles (UAVs), automated vehicles and self-driving cars.

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Marking TA duties may include: marking course assignments and / or quizzes, uploading grades to CANVAS, and attending meetings with the course instructor as required. Collecting and filing student sample work for accreditation.

Estimated number of positions: 1

Wage for this position: As per the BCGEU Collective Agreement GTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or a graduate degree program at UBC Okanagan. Successful candidates are required to be in Kelowna for the duration of the position. (Note: a full-time undergraduate student is defined as having a minimum of 24 credits for the 2025 winter session).

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
MARKING TEACHING ASSISTANT
(GTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 541 – Water Resource Modelling

Water resources modelling as related to civil and environmental engineering applications. Physical and mathematical modelling of hydraulic systems. Water quality in estuaries, lakes, rivers, and distribution systems. Sedimentation and erosion processes.

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Marking TA duties may include: marking course assignments and / or quizzes, uploading grades to CANVAS, and attending meetings with the course instructor as required. Collecting and filing student sample work for accreditation.

Estimated number of positions: 1

Wage for this position: As per the BCGEU Collective Agreement GTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or a graduate degree program at UBC Okanagan. Successful candidates are required to be in Kelowna for the duration of the position. (Note: a full-time undergraduate student is defined as having a minimum of 24 credits for the 2025 winter session).

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
MARKING TEACHING ASSISTANT
(GTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 566 – Advanced Communication Networks

Analysis and design of communication networks; network layered architecture; Internet protocols; IP routing; TCP congestion control; scheduling algorithms; medium access control; optimization techniques; Markov chains; discrete-time queuing theory; weighted fair queuing; distributed randomized algorithms; mean-field analysis.

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Marking TA duties may include: marking course assignments and / or quizzes, uploading grades to CANVAS, and attending meetings with the course instructor as required. Collecting and filing student sample work for accreditation.

Estimated number of positions: 1

Wage for this position: As per the BCGEU Collective Agreement GTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or a graduate degree program at UBC Okanagan. Successful candidates are required to be in Kelowna for the duration of the position. (Note: a full-time undergraduate student is defined as having a minimum of 24 credits for the 2025 winter session).

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
LAB TEACHING ASSISTANT
(GTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 581 – Mechatronics

Operating principles, analysis, modelling, and performance specification of sensors and actuators such as analog/digital transducers, electric motors, hydraulic actuators, and smart actuators. Analog and digital filtering techniques. Control techniques pertaining to actuators.

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Lab TA duties may include: attending lab training, preparing for lab sections, providing instruction on theory and lab procedures, marking lab reports, assignments and / or quizzes, uploading grades to CANVAS, reviewing and improving lab procedures, monitoring student compliance with lab safety rules, and correcting experiment setups during labs as required.

Estimated number of positions: 1

Wage for this position: As per the BCGEU Collective Agreement GTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or a graduate degree program at UBC Okanagan. Successful candidates are required to be in Kelowna for the duration of the position. (Note: a full-time undergraduate student is defined as having a minimum of 24 credits for the 2025 winter session).

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
MARKING TEACHING ASSISTANT
(GTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 598A – Applied HVAC
(Course description not available at this time.)

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Marking TA duties may include: marking course assignments and / or quizzes, uploading grades to CANVAS, and attending meetings with the course instructor as required. Collecting and filing student sample work for accreditation.

Estimated number of positions: 1

Wage for this position: As per the BCGEU Collective Agreement GTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or a graduate degree program at UBC Okanagan. Successful candidates are required to be in Kelowna for the duration of the position. (Note: a full-time undergraduate student is defined as having a minimum of 24 credits for the 2025 winter session).

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
MARKING TEACHING ASSISTANT
(GTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 598B – Facility Planning
(Course description not available at this time.)

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Marking TA duties may include: marking course assignments and / or quizzes, uploading grades to CANVAS, and attending meetings with the course instructor as required. Collecting and filing student sample work for accreditation.

Estimated number of positions: 1

Wage for this position: As per the BCGEU Collective Agreement GTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or a graduate degree program at UBC Okanagan. Successful candidates are required to be in Kelowna for the duration of the position. (Note: a full-time undergraduate student is defined as having a minimum of 24 credits for the 2025 winter session).

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
MARKING TEACHING ASSISTANT
(GTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

ENGR 598C – Transport Phenomena
(Course description not available at this time.)

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Marking TA duties may include: marking course assignments and / or quizzes, uploading grades to CANVAS, and attending meetings with the course instructor as required. Collecting and filing student sample work for accreditation.

Estimated number of positions: 1

Wage for this position: As per the BCGEU Collective Agreement GTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or a graduate degree program at UBC Okanagan. Successful candidates are required to be in Kelowna for the duration of the position. (Note: a full-time undergraduate student is defined as having a minimum of 24 credits for the 2025 winter session).

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
MARKING TEACHING ASSISTANT
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

MANF 378 – Advanced Manufacturing

Practical and theoretical applications of life cycle thinking in engineering projects, products, and processes. Understand international standards and methods in life cycle assessment (LCA), life cycle costing (LCC). Interpret and provide critical feedback on LCA/LCC studies and analyze claims on sustainability.

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Marking TA duties may include: marking course assignments and / or quizzes, uploading grades to CANVAS, and attending meetings with the course instructor as required. Collecting and filing student sample work for accreditation.

Estimated number of positions: 1

Wage for this position: As per the BCGEU Collective Agreement GTA or UTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or a graduate degree program at UBC Okanagan. Successful candidates are required to be in Kelowna for the duration of the position. (Note: a full-time undergraduate student is defined as having a minimum of 24 credits for the 2025 winter session).

APPLICATION DEADLINE: 11:59 pm APRIL 30, 2025

Equity and diversity are essential to academic excellence. An open and diverse community fosters the inclusion of voices that have been underrepresented or discouraged. We encourage applications from members of groups that have been marginalized on any grounds enumerated under the BC Human Rights Code including sex, sexual orientation, gender identity or expression, racialization, disability, political belief, religion, marital or family status, age, and/or status as a First Nation, Metis, Inuit, or Indigenous person.



THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
MARKING TEACHING ASSISTANT
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

MANF 450 – Lifecycle Analysis and Sustainability

Practical and theoretical applications of life cycle thinking in engineering projects, products, and processes. Understand international standards and methods in life cycle assessment (LCA), life cycle costing (LCC). Interpret and provide critical feedback on LCA/LCC studies and analyze claims on sustainability.

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Marking TA duties may include: marking course assignments and / or quizzes, uploading grades to CANVAS, and attending meetings with the course instructor as required. Collecting and filing student sample work for accreditation.

Estimated number of positions: 1

Wage for this position: As per the BCGEU Collective Agreement GTA or UTA.

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THE UNIVERSITY OF BRITISH COLUMBIA

**Faculty of Applied Science
School of Engineering
LAB TEACHING ASSISTANT
(GTA or UTA)**

The School of Engineering is inviting qualified students to apply for a Teaching Assistant position for the following course:

MANF 465 – Digital Enterprise

Systems integration and data analytics for engineering processes in a digital enterprise with industrial automation systems, production and operation, information fusion, performance monitoring and learning, and software and simulation platforms for manufacturing applications.

Start Date: January 1, 2026

End Date: April 30, 2026

Typical Lab TA duties may include: attending lab training, preparing for lab sections, providing instruction on theory and lab procedures, marking lab reports, assignments and / or quizzes, uploading grades to CANVAS, reviewing and improving lab procedures, monitoring student compliance with lab safety rules, and correcting experiment setups during labs as required.

Estimated number of positions: 1

Wage for this position: As per the BCGEU Collective Agreement GTA or UTA.

Eligibility: To be eligible to apply, applicants must be enrolled in a full-time undergraduate or a graduate degree program at UBC Okanagan. Successful candidates are required to be in Kelowna for the duration of the position. (Note: a full-time undergraduate student is defined as having a minimum of 24 credits for the 2025 winter session).

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