



The Gateway Building University of British Columbia

PROJECT NAME

University of British
Columbia Gateway Building

CLIENT

UBC Properties Trust

**NUMBER OF FLOORS
ABOVE GRADE**

6

**START OF
CONSTRUCTION**

2022

LOCATION

Vancouver, Canada

ARCHITECTURE

Perkins&Will
in collaboration with
Schmidt Hammer Lassen

FLOOR SPACE

24,800 m²

COMPLETION

2024

A building that reflects UBC's reputation as a world-class university

The health science academic and research building symbolizes the university's commitment to Indigenous engagement, zero carbon design, health and well-being, and provides an astonishing campus arrival experience at the University of British Columbia.

The building supports UBC's sustainability goals and commitments and is the university's first building which includes passive design strategies such as a high-performance envelope, high efficiency mechanical systems, and reduced embodied carbon.



Facts

TYPE OF USE

Educational

LOCATION

Located at the northwest corner of the University Boulevard and Wesbrook Mall intersection
Historical arrival point of UBC and the crossroads of the campus and community

BUILDING PROGRAM

Mix of space types ranging from wet and dry labs, clinical spaces, lecture theatres, and classrooms, gym and fitness facilities as well as office and administrative functions.

Distribution of space types throughout the building to address individual programmatic functional requirements.

MIX OF SPACES

Teaching, research and administrative space for the School of Nursing and the School of Kinesiology, research space for Language Science, the UBC Health and Wellbeing Services, and the UBC Health Team-Based Primary Care Teaching Clinic Prototype

SUSTAINABILITY

Natural ventilation of atrium, daylighting of regularly occupied spaces, operable windows, heat recovery ventilators, air-source heat pump, fan coil units, district energy exchange, washroom exhaust capture for heat recovery, indigenous planting requiring reduced irrigation, and low carbon timber structure

AWARDS

Winner of 2021 Canadian Architect Award of Excellence

CERTIFICATION

TARGETS

Canada Green Building Council's (CaGBC) Zero Carbon Building Standard v2 and LEED v4 Gold Certification

LOW-ENERGY STANDARDS

Thermal energy demand intensity (TEDi) of 20 kWh/m²/year, site energy use intensity (EUI) 25% better than the National Energy Code for Buildings (NECB) 2017 (190 kWh/m²/year).

MODULAR CONSTRUCTION

Assembly time of prefabricated elements in 6 weeks