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From School of Health Sciences
Dean Sharmen Vigouret Lee:

Our vision is to be a global center of health education excellence for experiential learning through interprofessional education, innovation and research.

This little booklet is intended to give you a quick overview of the new Health Sciences Centre that BCIT is developing for the Burnaby campus. We’re ramping up towards our first session of engagement with people like you, and so we want to make sure you’re provided with all of the pertinent information to get started.

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Foreword: HSC

In March of 2017, the provincial government approved funding for a new 10,355 sq. m (111,460 sq. ft) Health Sciences building on the Burnaby campus.

The new landmark building will be the Health Sciences Centre (HSC). A building of this nature has been BCIT’s top capital priority for nearly 10 years. We are excited about being able to work with stakeholders, engage in critical dialogue, and achieve the best outcomes possible for future students and staff.
The Health Sciences Planning Officer will work with the School of Health Sciences leadership team, thirteen (13) SOHS learning space user groups, and four (4) committees. The Design Team will work with the BCIT Chief Project Officer, the SOHS learning space user groups, and the committees during the program validation phase and throughout the project to obtain user input as required within the Design Team’s work plan strategy.

Design Team:

- **Stantec**
  - Architecture/Interior Design/
  - Buildings Engineering

- **ECS**
  - Programming

- **BCIT**

- **The Sextant Group**
  - AV/IT/Simulation

- **PFS Studio**
  - Landscape Architecture

- **Stantec**
  - Sustainability
Our goal for the Health Sciences Centre project is to deliver a building that meets current School of Health program education needs. Our objective is to facilitate a building design process that is collaborative, progressive, and looking to the future. Our team has the goal of creating an innovative and functional building design that is flexible and adaptive to allow for future changes in programming and technologies.

Stantec will facilitate the building design consultation process and attend all meetings. This will ensure the project lead will maintain an overview of the entire project. Ray Wolfe will facilitate the individual design meetings, ensuring participants are given a platform to contribute to the discussion. Depending on the specific meeting agenda, other specific team members will lead the design workshops.

During the 3-month program validation phase, ECS will lead many of the design workshops and meetings. ECS has completed more than 1,100 space planning projects at 80+ colleges, polytechnics, and universities across Canada, including many studies focused on health sciences programs and new health sciences facilities. They are very familiar with the unique academic delivery patterns and specialized learning environments, including simulation suites, associated with health sciences teaching, learning, and applied research.
Leading the AV/IT Technology Program, Tim Waters from The Sextant Group will work directly with the team to ensure that the simulation needs of the HSC are met and AV/IT technologies are seamlessly integrated. By developing the audiovisual strategies and design for the HSC project, he will provide technical insight into medical simulation systems, their many capabilities, options, and applications. The Sextant Group will be involved in the design process from the outset of the Project and will participate in user-group and key stakeholder meetings. Understanding the needs and objectives of the meeting participants will be a key focus for The Sextant Group. They will be fully integrated into the design process to help navigate through significant technology challenges to align spaces, infrastructure, and systems with project objectives.

PFS Studio has been working closely with BCIT to help envision and develop a Framework Plan to inform the ongoing evolution of the campus. PFS will serve as the public realm designers for the Health Sciences Centre and will bring a campus wide perspective to the project to ensure the siting of the building and design of the public spaces reinforces the objectives of the Framework Plan.

Chris Phillips, Partner, will serve as the lead designer for this portion of the project with Nicole Taddune, Associate, serving as the Project Landscape Architect/Project Manager for PFS. PFS Studio is currently completing Contract Documents for English Walk, the first public realm project implemented from the Framework Plan.

The Team: Profiles

Tim Waters
Medical Simulation Specialist

Chris Phillips
Project Landscape Architect

Nicole Taddune
Landscape Architect
The design team has been engaged with BCIT through the first four stages of the project management framework. This included a thorough business case review and RFP process which helped BCIT to identify and select the best team for the job.

Now we’re ready to move into the design phase of the project. This means we’re looking to the faculty, staff & students to help shape the best building possible! We want to hear from you: What does your future School of Health Sciences look like? How can simulation help to shape your education?
Schedule: Validation Phase

Pre-Planning & Stakeholder Engagement
3 Months - April to July 2018

April 2018

Superweek 1
April 16 to 19, 2018

We're here!!

Superweek 2
June 5 to 8, 2018

July 2018

Costing (Class D)

Framework:
Kick off meetings

Discovery:
Establish Project Goals
Space Programming
Building Concept
AV/IT Simulation Goals
Sustainable Goals

Explore:
Programming
Building Concept
AV/IT Simulation Program
Sustainable Options

Recommendations:
Programming
Building Concept
AV/IT Simulation
Sustainable Targets
Schedule: Superweek 1

Monday, April 16, 2018
- Working Committee
  - Building: SE2
  - Room: 212A & 212B

Tuesday, April 17, 2018
- Speciality Nursing Overview
  - Building: SW3
  - Room: 212
- Specialty Nursing (Critical Care, Emergency, High Acuity)
  - Building: SE2
  - Room: 212A & B
- Specialty Nursing (Perioperative)
  - Building: SE12
  - Room: 407
- Interprofessional Education Team
  - Building: SE2
  - Room: 212A & 212B

Wednesday, April 18, 2018
- Health Leadership
  - Building: SW1
  - Room: 1120
- Food Technology
  - Building: SW1
  - Room: 1240
- OH & Safety
  - Building: SW1
  - Room: 4035
- Environmental Health
  - Building: SW1
  - Room: 212
- Prosthetic & Orthotics
  - Building: SW1
  - Room: 4055

Thursday, April 19, 2018
- Campus Plan Integration
  - Building: NW1
  - Room: 121
- Working Committee (Working Lunch)
  - Building: SE2
  - Room: 212A & 212B
- Medical Laboratory
  - Building: SW1
  - Room: 3093
- Electroencephalography & MRI
  - Building: SE12
  - Room: 404
- Nuclear Medicine
  - Building: SE12
  - Room: 404
- Clinical Genetics
  - Building: SW1
  - Room: 3155
- Cardiology
  - Building: SE42
  - Room: 160 & 915
- Biotech.
  - Building: SW9
  - Room: 208
- Learning Technologies & Innovators Group
  - Building: SE2
  - Room: 212A & 212B
- School Community Town Hall
  - Building: SE2
  - Room: 212A & 212B
- School Community
  - Building: SE2
  - Room: 212A & 212B
- Biomedical Engineering
  - Building: SE2
  - Room: Lab 401
- Radiation Therapy
  - Building: SW1
  - Room: 3550

NOTE: Last 20 minutes reserved for tour of medical lab in SE12, Room 407.

BREAK

10:00 am - 11:20 am
- Health Sciences Centre
  - British Columbia Institute of Technology

11:30 am - 12:00 pm
- Health Leadership
  - Building: SW1
  - Room: 1120
- Food Technology
  - Building: SW1
  - Room: 1240
- OH & Safety
  - Building: SW1
  - Room: 4035
- Environmental Health
  - Building: SW1
  - Room: 212
- Prosthetic & Orthotics
  - Building: SW1
  - Room: 4055

12:00 pm - 1:00 pm
- Campus Plan Integration
  - Building: NW1
  - Room: 121
- Working Committee (Working Lunch)
  - Building: SE2
  - Room: 212A & 212B
- Medical Laboratory
  - Building: SW1
  - Room: 3093
- Electroencephalography & MRI
  - Building: SE12
  - Room: 404
- Nuclear Medicine
  - Building: SE12
  - Room: 404
- Clinical Genetics
  - Building: SW1
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- Cardiology
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  - Building: SW9
  - Room: 208
- Learning Technologies & Innovators Group
  - Building: SE2
  - Room: 212A & 212B
- School Community Town Hall
  - Building: SE2
  - Room: 212A & 212B
- School Community
  - Building: SE2
  - Room: 212A & 212B
- Biomedical Engineering
  - Building: SE2
  - Room: Lab 401
- Radiation Therapy
  - Building: SW1
  - Room: 3550

BREAK

1:30 pm - 2:00 pm
- Health Sciences Centre
  - British Columbia Institute of Technology

2:00 pm - 3:00 pm
- Health Leadership
  - Building: SW1
  - Room: 1120
- Food Technology
  - Building: SW1
  - Room: 1240
- OH & Safety
  - Building: SW1
  - Room: 4035
- Environmental Health
  - Building: SW1
  - Room: 212
- Prosthetic & Orthotics
  - Building: SW1
  - Room: 4055

3:00 pm - 4:00 pm
- Campus Plan Integration
  - Building: NW1
  - Room: 121
- Working Committee (Working Lunch)
  - Building: SE2
  - Room: 212A & 212B
- Medical Laboratory
  - Building: SW1
  - Room: 3093
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- School Community
  - Building: SE2
  - Room: 212A & 212B
- Biomedical Engineering
  - Building: SE2
  - Room: Lab 401
- Radiation Therapy
  - Building: SW1
  - Room: 3550

BREAK

4:30 pm - 5:00 pm
- Health Sciences Centre
  - British Columbia Institute of Technology

5:00 pm - 5:30 pm
- Health Leadership
  - Building: SW1
  - Room: 1120
- Food Technology
  - Building: SW1
  - Room: 1240
- OH & Safety
  - Building: SW1
  - Room: 4035
- Environmental Health
  - Building: SW1
  - Room: 212
- Prosthetic & Orthotics
  - Building: SW1
  - Room: 4055

5:30 pm - 6:00 pm
- Campus Plan Integration
  - Building: NW1
  - Room: 121
- Working Committee (Working Lunch)
  - Building: SE2
  - Room: 212A & 212B
- Medical Laboratory
  - Building: SW1
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  - Room: 212A & 212B
- Biomedical Engineering
  - Building: SE2
  - Room: Lab 401
- Radiation Therapy
  - Building: SW1
  - Room: 3550

BREAK

6:00 pm - 6:30 pm
- Health Sciences Centre
  - British Columbia Institute of Technology

6:30 pm - 7:00 pm
- Health Leadership
  - Building: SW1
  - Room: 1120
- Food Technology
  - Building: SW1
  - Room: 1240
- OH & Safety
  - Building: SW1
  - Room: 4035
- Environmental Health
  - Building: SW1
  - Room: 212
- Prosthetic & Orthotics
  - Building: SW1
  - Room: 4055

7:00 pm - 7:30 pm
- Campus Plan Integration
  - Building: NW1
  - Room: 121
- Working Committee (Working Lunch)
  - Building: SE2
  - Room: 212A & 212B
- Medical Laboratory
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BREAK
BCIT’s School of Health Sciences is a recognized leader in experiential learning, and the new Health Sciences Centre will provide comprehensive health sciences simulation in multiple care settings including hospital, community, clinics, residential, and home care services. Experiential learning allows students to safely practice within a controlled environment as they develop their clinical skills. The Health Sciences Centre will enable the integration of all health disciplines into the simulation environment, partnering with patient care programs.

Through the use of technology and on-site learning spaces, the School of Health Sciences will provide personalized, collaborative, interprofessional learning opportunities that promote active participation of all health sciences professions whether located in the Lower Mainland, British Columbia, Canada, or the world. The Health Science Centre will create opportunities for interprofessional collaboration with experts and learners from different areas where they can immerse themselves in new realities, and jointly engineer solutions. This approach links institutions together with industry to create an inspirational environment conducive to learning, teaching, researching, and innovating.
1.0 Design goals for your feedback:

- **Living laboratory** for students, faculty, and industry to learn, innovate and co-create;

- **Pedagogy is the driver** that allows spaces and configurations to support learning outcomes;

- Building that fully supports **experiential learning** across health professions;

- Provide **flexible settings** allowing for multiple learning opportunities for health professionals;

- Provide accessible and inviting **student-centered** learning and collaboration environments that support both physical and virtual activities;

- Modern facility that supports **faculty and staff** to deliver high quality education;

- **Landmark gateway** for the campus that creates a strong identity for the School of Health Sciences, and integrates the Campus Plan;

- Support **virtual connections in the province and globally** to serve dispersed participants and cohorts;

- Building with **connectivity** both horizontally and vertically that animates campus life and creates a sense of place;

- Establish a new process to achieve best practices in **sustainability and building systems performance** for BCIT.
The new Health Sciences Centre building is a major urban design element in the BCIT campus plan and will serve as an important symbol of campus renewal. Fronting Willingdon Avenue, located between the two significant axes of the pedestrianized English Walk and the central campus spine of Goard Way, the new building, in a prominent position to showcase health sciences, is a defining building on campus.

The building’s role will be to:
- strengthen the major gateway into campus by bringing a strong identity and character to this area;
- Improve open social space and movement through the site;
- redefine the pedestrian drop off/arrival to campus;
- Improve the Willingdon streetscape by providing a stronger edge and interface;
- Help animate this edge of campus by providing weather protection, and an engaging streetscape.
BCIT Campus: Context

New Health Sciences Centre

NW01

NW03

NW06

SE02

SW01
For more information, please contact

hs@bcit.ca

or visit

www.bcit.ca/facilities/campusdev/current/sohs.shtml

Thank you for your participation!
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