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Campus Plan: A Vision for the Future of the Burnaby Campus

For over fifty years, BCIT has been educating career-ready graduates. Today, it is one of British Columbia’s largest post-secondary institutions, offering practical career credentials designed for the workplace, including degrees, diplomas and certificates spanning Applied and Natural Sciences, Business and Media, Computing and Information Technology, Engineering, Health Sciences and Trades.

Established in 1964, BCIT has campuses in five Metro Vancouver municipalities. BCIT’s international partnerships include training, education, and research initiatives in South America, Central America, East Asia, and Eastern Europe.

BCIT’s Strategic Plan for 2014 to 2019 included the goal of creating a long-range plan for the Burnaby campus. This goal will be carried forward in the next Strategic Plan.

This document presents the Campus Plan in a compact, preliminary form for review by the BCIT community and for beginning discussions with the City of Burnaby, whose approval will be needed for any zoning changes regarding land use, density, and building height.

The Campus Plan embodies BCIT’s aspirations for its evolution and growth as a premier polytechnic educational institution.

The Plan has these aims:

- Plan for facilities needs for the next 50 years
- Guide BCIT’s evolution as a premier polytechnic institution
- Create a more vibrant campus
- Connect with industry
- Demonstrate sustainability best practices

BCIT today is trying to deliver a 21st century education on a 20th century platform.

The Campus Plan will guide the evolution of the Burnaby campus as it becomes a vibrant, urban place that supports innovation and collaboration, provides a better environment and experience for students and faculty/staff, enhances the profile of the institution, and improves educational outcomes.
Major Influences on the Plan

1. Burnaby is the Flagship Campus
   - Maintain 5 campuses
   - Focus new facility development at Burnaby Campus
2. Context in Burnaby

- BCIT anchors a major employment node between two Burnaby town centres and two rapid transit lines
- Burnaby's Economic Development Strategy supports a stronger BCIT, more urban character in the vicinity of the campus, creating technology clusters, and improved transit in the Willingdon corridor
- BCIT can be a hub for this area with more amenities and stronger links to business
Major Influences on the Plan

3. Campus Size and BCIT Land Needs

- The Burnaby campus is 130 acres in size
- If new facilities are built to higher density and used more intensively, BCIT will need 65 to 115 acres for academic facilities by 2071, depending on the growth rate
- Additional lands will be needed for parking, industry partners, open space, and housing
- Therefore, BCIT should be careful about allocating land to permanent, non-essential uses

<table>
<thead>
<tr>
<th></th>
<th>2017</th>
<th>2041</th>
<th>2071</th>
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<tbody>
<tr>
<td>Low Growth (1% per year)</td>
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<td>FTE</td>
<td>15,000</td>
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<td>Land Area</td>
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<td>65 acres</td>
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| High Growth (2% per year) |      |      |      |
| FTE                  | 15,000 | 25,000 | 46,000 |
| Floor Space          | 1.8m sq.ft. | 2.7m sq.ft. | 4.8m sq.ft. |
| Land Area            | 65 acres | 115 acres |      |

4. Existing Land Use and Facilities

- The existing campus is very low density
- A large area is occupied by surface parking lots
- Many existing buildings are old and in poor condition
5. Parking Supply and Demand

- As surface parking lots are converted to facility use, parking supply will fall.
- As faculty, staff, and student populations grow, parking demand will increase unless action is taken.
- BCIT will face these options:
  - Continue using land for surface parking lots, and not develop a denser, more vibrant campus.
  - Build large numbers of parking stalls in structure.
  - Find ways to reduce parking demand.
- The preferred direction is to reduce parking demand per FTE via demand management strategies.

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[Graph: Parking Supply and Demand BCIT Use - med FTE growth, low and high demand, no parkades]

- Parking Demand - Current Trends Continued
- Parking Demand with TDM
- Practical Supply of Stalls

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6. BCIT Community Input

- 3 pre-launch meetings with representatives of faculty, staff, and students.
- A launch event and 7 open house sessions.
- 1800 in-person or online surveys.
- 4 workshops on housing, transportation, industry partners, and campus plan ideas.
- 3 Student Association workshops.

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7. Housing

- Housing availability and affordability are challenging.
- BCIT has only 336 beds of on-campus housing and its ratio of beds to FTE is very low relative to other institutions.
- The existing housing is near the end of its useful life.
- On-campus housing enlivens the campus, meets student needs, and helps recruit international and out-of-town students.

High levels of support for proposed planning directions.
Major Influences on the Plan

6. BCIT Community Input

- 3 pre-launch meetings with representatives of faculty, staff, and students
- A launch event and 7 open house sessions
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- 4 workshops on housing, transportation, industry partners, and campus plan ideas
- 3 Student Association workshops

What the BCIT Community said it wants:

- More housing
- Denser, animated campus
- Better retail, food, fitness and recreation
- Indoor and outdoor spaces for meeting, studying, relaxing
- Industry partners
- Physical, digital, and program supports for collaboration
- Better transit, cycling, ride sharing…and sufficient parking
- Reduced energy consumption and better recycling
- Sustainable buildings and infrastructure
- Enhance Guichon Creek

High levels of support from BCIT community for proposed planning directions
7. Housing

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- BCIT has only 336 beds of on-campus housing and its ratio of beds to FTE is very low relative to other institutions
- The existing housing is near the end of its useful life
- On campus housing enlivens the campus, meets student needs, and helps recruit international and out-of-town students

8. Capital Funding for Education

- Incremental, not predictable
- Depends on government funding priorities and private sector philanthropy
- The Campus Plan will provide a framework to guide the location of future facilities as they are funded

The framework

guides the location of future facilities as they are funded
Major Influences on the Plan

9. Trends in Polytechnic Education

Hands-on, experiential, collaborative, practical, innovative, multi-disciplinary, solution-driven, technical, career-oriented, student-centred, flexible. These words say a lot about the design of curriculum, ways of teaching and learning, and student experience at BCIT. They also say a lot about physical space. The campus will continue to need traditional classrooms, labs, and spaces where things are made and machines are operated. Increasingly though, the campus also needs spaces for innovation, experimentation, prototyping, and collaboration that can be adapted as programs change.

More diverse learners.

The nature and needs of learners are changing. A wider array of ages, more interest in flexible scheduling, more people looking to change or adapt their careers, more non-traditional students, more international learners.

New ways of learning.

Learning is becoming more collaborative, more flexible, more learner-centred, less structured.

Greater use of technology.

Technology is creating opportunities for online learning, simulation environments, flipped classrooms, and other ways to reduce the need for traditional space. This will allow more intensive use of land and a lower ratio of physical space per student.

More partnerships with industry.

Career-focused learning and experiential learning are most effective when they involve contact with the real thing in authentic settings.

More competition.

Online education involves much lower investment in time and money, and provides flexibility for working adults. To attract students, campus-based institutions must provide compelling evidence that they offer superior outcomes and value by providing a combination of hands-on, theory, and virtual instruction, a vibrant campus experience, a supportive social environment, and on-campus relationships with industry partners.

More collaboration, less rigidity.

Polytechnic education is becoming more cross-disciplinary. Old silos are being dismantled and departmental boundaries are blurring.
Institutions are recognizing the need to show how their vibrant campus experience, their supportive social environment, and their on-campus relationships with industry partners combine with their mix of classroom-based and on-line programs to produce the best possible education and career outcomes. This understanding is proving vital in attracting and retaining students, faculty, and staff. Key trends in campus design include:

Summary of Major Influences

- More mixed use, more housing, denser cores
- Support for innovation, collaboration
- Industry partners on campus; innovation precincts
- Place-making with pedestrian scale, character
- Sustainable land use, buildings, infrastructure

The Burnaby campus has limited land for permanent non-BCIT uses in the long run.

Industry partners are the most important complementary (non-BCIT) use for campus lands.

Capital funding is incremental. Therefore, the Burnaby campus needs a framework plan, not a master plan.

BCIT needs to reduce demand for parking and promote transit improvements.

There is demand for more student housing.

Competition is increasing – Other institutions are working to create campuses with: more mixed use; denser cores; more student housing; focus on innovation, collaboration; industry partners; innovation precincts; pedestrian scale, character.
Goals for the Campus

The Campus Plan is based on six main goals that aim to create a better place for learning, working, and living so that BCIT provides the best possible polytechnic education and campus experience in a sustainable manner.

**Unique and Visible BCIT Campus**
Open up the campus to the outside world. Design new buildings to show what is special about BCIT and what goes on inside. Develop prominent sites with exciting buildings that increase BCIT’s profile. Make on-campus wayfinding easier.

**Living Campus**
Create a denser, more vibrant campus core by adding more student housing, more retail and service outlets, recreation facilities, open spaces, and other amenities.

**Connected Campus**
Make connections with the surrounding business community by adding features that draw people onto the campus. Make connections within the BCIT community with enhanced digital infrastructure and physical circulation systems that are attractive, efficient, safe, and enjoyable.
Campus of Innovation and Collaboration
Create an environment and culture that foster innovation, collaboration, and entrepreneurship.

Sustainable Campus
Increase transit, walking, and cycling and reduce single-occupant vehicle trips. Adopt targets and guidelines for sustainable buildings and infrastructure. Improve recycling and waste management systems. Increase use of renewable energy. Protect and daylight Guichon Creek.

Adaptive Campus
Create flexible spaces that can adapt to new requirements. Provide opportunities for demonstration projects, exhibits, special events.
Scope of the Campus Plan

To achieve its vision of the future, BCIT needs a Campus Plan that provides a guiding framework to ensure that every new project on the campus makes the greatest possible contribution to making BCIT a unique and better place.

The Campus Plan helps achieve the vision for the future by managing the long-term development of the campus, improving the overall experience of being at BCIT, and strengthening the relationship between BCIT and the surrounding area.

To achieve all that is demanded by the goals that have been articulated by BCIT, the Campus Plan must go beyond the typical boundaries of a physical plan. The Campus Plan must employ a multifaceted approach to create the kind of place BCIT aspires to be.

The Campus Plan includes these main elements:

- **Framework for Circulation and Open Space to define Future Development Sites**
- **Land Use Plan**
- **Character Areas**
- **Retail and Amenities**
- **Housing**
- **Transportation**
- **Sustainability**
- **Design Guidelines**
- **Industry Partners**
- **Innovation and Collaboration Support**

A framework of roads, pedestrian routes, cycling routes, transit facilities, and open spaces that connect the campus and define the parcels on which future development will occur.

A land use plan to guide future development of educational facilities, industry partners, housing, and other uses.

Distinct character areas within the campus, to add vitality and provide environments that meet BCIT’s needs, and take advantage of special opportunities.

A retail and amenities plan to add uses that make the campus livelier, a better place to live, and encourage connections with the surrounding area.
A **housing** strategy to achieve 2,500 new on-campus housing units by 2040.

A **transportation** strategy to increase transit service, reduce reliance on single-occupant vehicles, reduce parking demand to free up land for new uses, and support cycling and walking.

A **sustainability** strategy to reduce energy consumption and GHG emissions, make greater use of renewable energy, create more sustainable buildings and infrastructure, improve waste management, and demonstrate best practices in storm water management.

**Design guidelines** for new buildings, so that every building showcases what happens at BCIT and is an expression of how BCIT is unique among BC’s educational institutions.

Strategies to **attract industry partners** and to foster **innovation and collaboration** between BCIT and industry, and across departments.
Campus Plan - Framework

The Plan includes a framework created by a layering of:

- circulation routes,
- open spaces,
- and existing buildings earmarked for retention.

The framework will define future development sites.

Loop Road
The central part of the campus will be primarily for pedestrians, cyclists, and service vehicles. Other vehicles enter and park around the periphery of campus.

Social Spaces
A series of social spaces are linked along the campus spine.

East-West Links
East-west connections serve pedestrians, cyclists, and service vehicles.

Two North-South Spines
Two major pedestrian routes connect from north to south. The westerly spine has an urban character and connects social nodes. The easterly green route is the Guichon Creek corridor with a green character.
Campus Plan - Framework

Loop Road - White Avenue
Loop Road - Smith Street
Campus Plan - Land Use

The Plan includes three distinct land use districts:

- Mixed-Use Core
- Major Park and Recreation
- South Campus

Mixed-Use Core

A high density mixed use core from Canada Way south to Fairey Street is within a 5-minute walk from main transit stops and will include:
- most new BCIT facilities,
- new student housing,
- industry partner space,
- a new retail focal point.

The mix of uses will enable and encourage collaboration. The streetscape will include retail, amenities, study spaces, classrooms, social spaces, maker spaces, and animated public spaces. Upper floors could include academic spaces, industry partners, office, student and rental housing.

The Mixed-Use Core will include distinct character areas described in more detail in a later section:
- The Crossroads
- The Yard
- Goard Way Gateway
- Guichon Creek

Major Park and Recreation

A major park and recreation area at the site of the existing recreation and track/field facilities with connections to the Guichon Creek riparian area and greenway.

Guichon Creek (south) will remain in a natural state. Guichon Creek (north) will undergo a phased strategy of daylighting to create an urban ecological restoration. This could include sustainable storm water systems, pedestrian and bike ways, and open spaces.

This entire area can be re-imagined and enhanced to provide a wider range of park and recreation opportunities.

South Campus

South Campus provides room for future BCIT expansion and possible interim use for large scale industry partners that need large sites.

This district also includes a steeply sloped area which could be considered for BCIT use or possibly family oriented rental housing for faculty/staff/students. Detailed planning for this area can take place when the existing inventory of student housing on this site has been replaced elsewhere.

Future detailed planning of the South Campus district would benefit from the inclusion of the site currently owned by ICBC.

CARI

BCIT’s CARI site is immediately opposite the South Campus on Willingdon, but grade challenges and Willingdon’s width/traffic volume make it unlikely that easy connections to the South Campus could be achieved. Current uses at CARI could contribute more to BCIT’s collaborative endeavors if relocated to the main campus. The CARI site could be a potential source of capital if sold/leased.
Mixed Use Core

Major Park and Recreation Area

Level sites contiguous with core for BCIT expansion and industry partners

Potential BCIT expansion or rental housing

CARI

Guichon Creek

South Campus

ICBC

Potential BCIT expansion and industry partners
Campus Plan - Character Areas

The Campus includes these character areas:

• The Crossroad
• The Yard
• Goard Way Gateway
• Guichon Creek
• South Campus

The map shows the location of each character area. Concepts are described in following sections.

The Crossroads
New focal point for campus and surrounding employment district including retail, exhibit space, meeting facilities, industry partners, housing.

The Yard
Showcase BCIT programs that involve ‘hands on’ making. Large central open space for learning, construction demonstration projects, exhibits, social and recreational activities.

Goard Way Gateway
Main entrance to campus for transit users and visitors. Welcoming, convenient, comfortable.

Guichon Creek

South Campus
An opportunity for improved outdoor recreation space, industry partners, BCIT facilities, and new rental housing.
Character Area: Crossroads

The Crossroads is a new focal point in the northwest part of the campus that will:

• make a strong statement about BCIT’s identity
• draw people from the surrounding employment district
• encourage interactions among BCIT programs, industry, and campus visitors.

This hub could include:
• A retail street including restaurant, small grocery store and services. This could include a mix of permanent tenanted spaces as well as temporary operations in food trucks and re-purposed modular structures.
• Space for exhibits, special events, meetings/conferences, demonstration projects.
• BCIT program space.
• Outdoor open space.
• Industry partners, office space.
• Housing and hotel uses.
Character Area: The Yard

The **Yard** will cluster “maker” programs in a precinct that:

- enhances these programs,
- promotes collaboration across programs,
- showcases this distinct part of BCIT.

The Yard includes:

- A large central open area that provides room for construction, demonstration projects, and exhibits, while also providing an attractive outdoor space and opportunities to see BCIT at work.

- Buildings clustered around the Yard with space for making things. This could include wood and steel construction, metal working, welding, boiler making, engineering, land survey, instrumentation, possibly even video and television production.
Character Area: Goard Way Gateway

The Goard Way Gateway is the main entrance to the campus for transit users, most visitors, and some cyclists and drivers. It will:

- Provide a welcoming, strong gateway statement.
- Provide safe and convenient access to transit.
- Be pedestrian and cyclist friendly.

Goard Way Gateway includes:

- New Health Sciences Centre with animated edges
- Enhanced public realm with weather protection, small-scale services, furnishings, and better connectivity to campus core
- Improved integration with transit
- Reduced vehicular area (no net-loss of drop-off/parking)
- Stronger identity and more welcoming gateway to campus.
Character Area: Guichon Creek

**Guichon Creek South**
- In this area, the Creek is in a mostly natural state which will be protected and enhanced.
- The enhancement of this natural area may include the sensitive addition of walking trails.

**Guichon Creek North**
- This section of the Creek is currently culverted and will undergo phased daylighting and urban ecological restoration.
- The restoration of this urban section may include canal-type openings with adjacent buildings, open areas, walkways, and cycle paths.

BCIT is committed to the enhancement and protection of Guichon Creek as a unique and special campus feature. The Creek has two distinct sections:
- Guichon Creek south
- Guichon Creek north
A utility corridor should be established during the design phase of Guichon Creek Daylighting to service proposed development. It is assumed that Roper Street will be used as a utility corridor from Goard Way to Ford Avenue. The west side of the proposed Guichon Creek Daylighting would be the preferred side for a utility corridor as the campus buildings are situated west of the creek. This will minimize any utilities crossing the new creek alignment. A utility corridor is assumed to be required along the total length measuring approximately 660m.

Appendix E contains Drawings X01 to X11 showing the cross-section views applied along the creek alignment. The overall daylight opening will be approximately 11.5 m wide from bank to bank and 7.0m wide at the top of the channel. The channel will maintain a straight alignment from south to north with a 0.3m deep x 3.0 m wide meandering creek. The pedestrian path will allow opportunities for Campus staff, visitors, and students to access the creek and be used as a living lab and for educational showcase. Furthermore, the pathway area can be used as an emergency overflow for larger storm events. The Guichon Creek Daylight alignment is envisioned to be part of BCIT’s blue way corridor in the campus planning.

Table 4.1 lists the length of daylighting and culvert envisioned.
Character Area: South Campus

The South Campus lands provide opportunities to accommodate a variety of uses:

- Rental housing near open space, for faculty, staff, and students
- A major central park that adds new outdoor recreation and relaxation areas
- Space for industry partners that need larger sites
- Expansion room for BCIT
The Plan encourages the addition of retail and amenities within the core. A wider variety of retail uses will make the campus more attractive to on-campus residents, commuter students/faculty/staff, and campus visitors.

The Plan anticipates three different approaches to retail space:

- A new “Main Street” retail focus on Smith Street.
- Modular structures, small infills, or food trucks at key locations (e.g. Smith Street, The Yard).
- Small food and beverage outlets at convenient locations in existing social nodes.

A new “Main Street” type retail focal point will be created on Smith Street. The retail and amenities provided there will serve BCIT students/faculty/staff as well as draw people from the surrounding employment district.

Uses in this area could include a grocery store, pharmacy, restaurant, bookstore, financial branch, and personal services.

The new focal point could include a mix of tenancies in ground floor spaces in new campus buildings as well as temporary premises such as food trucks and re-purposed modular structures.

The modular structures can be used to test demand for additional space, add interesting pop-ups, and infill areas where gaps exist as the new retail focal area develops. For example, food trucks or modular structures could be placed along edges of existing surface parking lots to complete a two-sided retail street experience.
Campus Plan - Housing Strategy

Current Situation

There are 336 beds of student housing on campus. This housing can last another 5 years or so and will then need to be replaced.

There is strong interest in more on campus housing of a variety of types:

- Full term housing for international and local students
- Short stay housing for students in short courses
- Family oriented rental housing for students with families or for faculty and staff
- Hotel type accommodation for campus visitors
- Hostel type accommodation commuter students.

Most new housing will be in higher density, mixed use projects in the campus core.

The first two or three floors will include retail amenities, recreation facilities, informal study space, BCIT educational space, and other uses. Housing will be on upper floors.

There could also be family-oriented housing in a quieter part of the campus, such as the site of the existing student housing in South Campus. This would be rental and could appeal to students with families who want to be on campus for a year or two, and to faculty and staff who would like to live on campus.

New housing could be financed through Provincial funding programs or private sector investment.

Targets

Add more housing as demand warrants, with a long-term target of about 2500 beds (of various types), which works out to about 12% of enrollment by 2040.

The proposed short to medium term strategy for student housing is:

- Build a first phase of about 400-500 beds.
- Operate this new housing concurrently with the existing 336 beds years to test demand
- If occupancy is high, build 400 more beds and then demolish the existing housing
BCIT commuters have a very high percentage of single occupant vehicle trips, which generates large on-campus parking demand and contributes to greenhouse gases and traffic congestion.

Many students and faculty do not have good alternatives because of limitations in the transit and bike networks.

The comprehensive transportation strategy addresses:

- Transportation Demand Management
- Parking Supply
- Transit
- Cycling
- New Technology

**Transportation Demand Management**

- There are environmental and financial reasons for trying to reduce single vehicle trips and reduce parking demand.
- Promote and provide incentives for ride sharing, car sharing, biking, and walking to campus.
- Create a BCIT ride share app.
- Consider running shuttles between south campus parking and the campus core.
- Offer “opt out” compensation programs for faculty/staff who do not regularly use their assigned parking stalls.
- Increase parking fees to local market rates to reduce demand and raise revenue for transportation initiatives

**Parking Supply**

- Identify sites for possible future parkades, if needed.
- Monitor parking demand and the success of transportation demand management.
- Include structured parking in new buildings where feasible.
- Build freestanding parkades only if necessary and design parkades to allow transition to other uses if future parking demand falls.

**Transit**

- Work with Burnaby, TransLink, and surrounding employers to push for improved transit on Willingdon and Canada Way.
- Consider expanding U-Pass to part-time students.
- Improve transit shelters on both sides of Willingdon at Goard Way.
- Improve pedestrian connections to transit stops for BCIT commuters.

**Cycling**

- Improve on-campus bike paths, bike storage and storage facilities.
- Work with Burnaby to improve cycling routes to BCIT.

**New Technology**

- Monitor experiences with autonomous cars, including their impact on total vehicle trips and on-campus parking demand, and adapt on-campus vehicle circulation and parking strategies accordingly.
- Design any parking structures to be adaptable to new uses.
# Campus Plan - Sustainability Strategy

BCIT is committed to becoming a leader in sustainable campus design.

## The Campus Plan has sustainability strategies for:

- Infrastructure
- Buildings
- Energy
- GHG emissions
- Waste management and recycling
- Guichon Creek daylighting
- Housing and services
- Transportation demand management

### Infrastructure
- Improve storm water management, including rainwater detention and infiltration using open spaces.
- Reduce water use.
- More electric vehicle charging stations.

### Buildings
- Establish performance targets and guidelines for all new buildings.
- Green roofs where possible.
- Design for lower energy needs.
- Incorporate solar where possible.
- Strive for net zero energy buildings.

### Energy
- Real-time energy consumption monitoring.
- Shifts to renewable energy.
- Explore feasibility of campus wide district energy systems.

### Waste Management and Recycling
- Improved on-campus recycling systems.
- Better waste management plans, including composting, reduced use of disposables.

### Housing and Services
- Provide more housing and commercial services on campus to reduce off-campus vehicle trips.
Campus Plan - Strategies for Industry Partners and Foster Innovation and Collaboration

Building industry partner relationships.

The Campus Plan can show how on-campus partners can be accommodated, but these partnerships start with outreach to the business community, responding to overtures from potential partners, and working to nurture and expand relationships once started. BCIT needs an ongoing, consistent, responsive commitment to creating partnerships that involve training, applied research, shared resources, and student placements.
Strategies for Collaboration and Innovation

The Campus Plan can provide the physical support for innovation and collaboration, but the BCIT community has indicated there is also a need for:

- improved on-campus technology and digital infrastructure (classroom technology, power supply for personal devices, campus-wide wifi),
- better on-line course material,
- apps for scheduling team meetings and booking space,
- and program design to foster interaction and allow collaboration, student projects, competitions, and clubs as a means to expand student horizons beyond their core programs.
The Campus Plan will provide design guidelines so that each new building, outdoor space, or visible part of campus infrastructure will help to showcase BCIT, contribute to a more interesting and vibrant campus, and display a uniquely BCIT character.

The design guidelines will include:

- Architectural guidelines for new buildings.
- Landscape, lighting, engineering, and safety design guidelines and standards for roads, walkways, and bikeways.
- Landscape design guidelines for outdoor open spaces.
- Design guidelines for storm water management systems.
- Guidelines for special sites and character areas.
- Wayfinding signage and route marking guidelines.
Architectural guidelines for buildings

Guidelines for landscaping, lighting, walkways, bike paths, roads, open spaces

Guidelines for stormwater management

Guidelines for special sites

Guidelines for wayfinding and route markers
Capital Campaign

BCIT has secured Provincial funding for a new Health Sciences Centre for Advanced Simulation. BCIT has also launched a major fund-raising campaign for several high priority capital projects.

Health Sciences Centre

BCIT’s School of Health Sciences is a recognized leader in experiential learning, which allows students to safely practice within a controlled environment as they develop their clinical skills. The new Health Sciences Centre will provide comprehensive health sciences simulation in multiple care and enable the integration of all health disciplines into the simulation environment, partnering with patient care programs.
**Trades & Technology**
This new complex will maintain and enhance the Institute’s leadership as the largest trades education provider in British Columbia. In response to the educational priorities of Government, a phased renewal and expansion of Trades and Technology programs is required at the Burnaby Campus, including enhancement of existing facilities as well as construction of a new building. BCIT’s Trades and Technology programs are designed in partnership with industry and this new complex would provide a hub of flexible learning spaces adaptable to evolving industry requirements.

**Centre for Ecological Restoration**
This new building will be the site of the Institute’s Centre for Ecological Restoration and Climate Adaptation (CERCA), a new research and teaching centre that will solidify BCIT’s role as the leader in Ecological Restoration. The Centre will allow for expansion of department’s M.Sc. and B.Sc. programs, and will provide opportunities to support Indigenous learners in programs related to natural resources and environmental stewardship.

**Student Hub and Intercultural Gathering Place**
This project seeks to leverage the Institute’s partnership with the BCIT Student Association (BCITSA) to deliver an integrated project that will take a holistic approach to education and wellness. The BCITSA is pursuing a Student Centre focused on the ancillary needs of its membership including 24/7 accessibility, project spaces and diverse food options. By partnering on a larger facility, both parties are able to maximize the benefits to students and advance indigenous reconciliation, education, skills and training, and holistic student supports. The Institute portion of the centre would create a hub to coordinate and support BCIT indigenous initiatives, intercultural communication, and engagement and collaboration with diverse stakeholders.

**Learning Innovation Centre**
This building will provide space for the School of Computing and Academic Studies, the School of Business, BCIT’s Information Technology centre, and the Learning and Teaching Centre, a resource hub for students and faculty for the integration of new technologies and equipment into BCIT programs.
Next Steps

This draft document presents a vision and concepts for the future of the BCIT campus.

The next phase of work will include advancing the Plan to more detail and engaging with the City of Burnaby on aspects of the Plan that need municipal approval.

Campus Planning and Design Work

- Design guidelines for buildings, infrastructure, and open spaces.
- Sustainability strategy.
- Collaborate with the developer of the Willingdon lands regarding road and pedestrian networks, urban design along Willingdon, and land use.
- Integrate the design of the Health Sciences Centre with the design for improving the Goard Way campus gateway.

Student Housing

- Architectural design and funding strategy for the first phase of new on-campus student housing.

Transportation

- Work with City, other major property owners, and TransLink on improved transit service on Willingdon and Canada Way corridors.
- Action plans for reducing demand for on-campus parking.

City of Burnaby

- Continue liaison with Planning Department, which has been supportive of the concepts presented in this draft.
- Identify elements of the Campus Plan that require changes to City plans or bylaws.
- Agree with the City on the approvals process.
- Apply for approvals.