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THE UNIVERSITY
OF BRITISH COLUMBIA



Executive Brief

Dean, Faculty of Applied Science
University of British Columbia

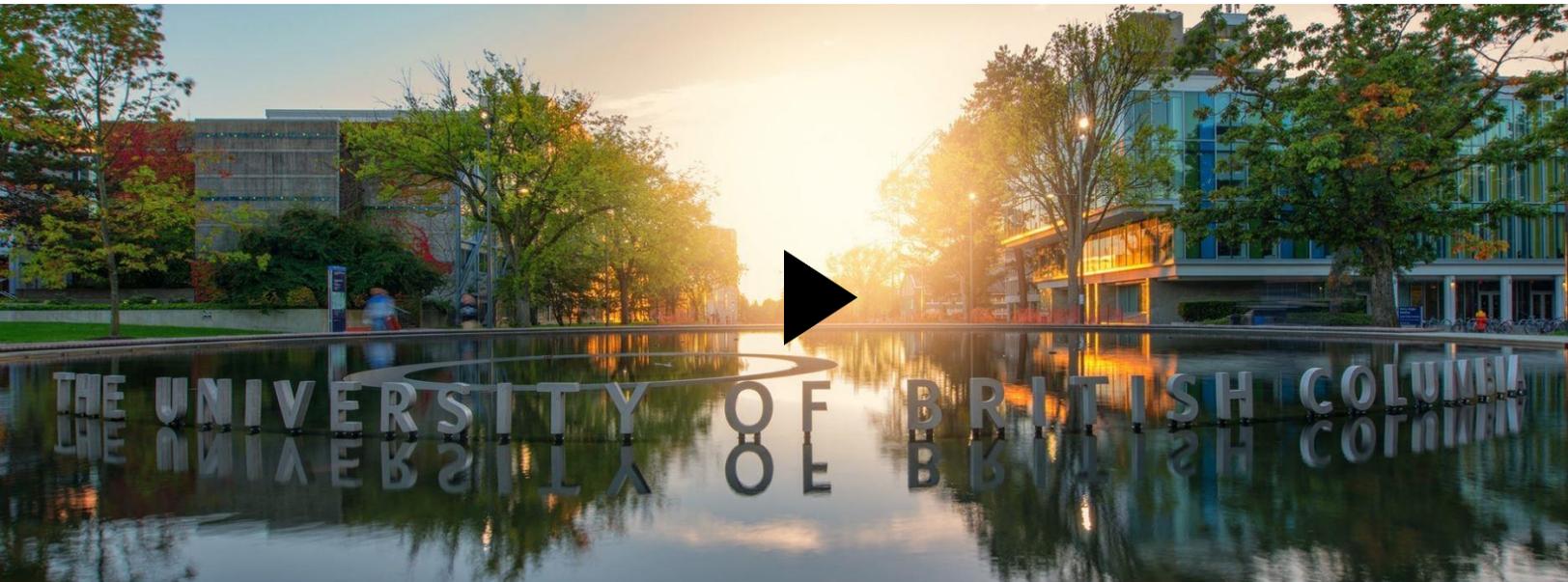
June 2017



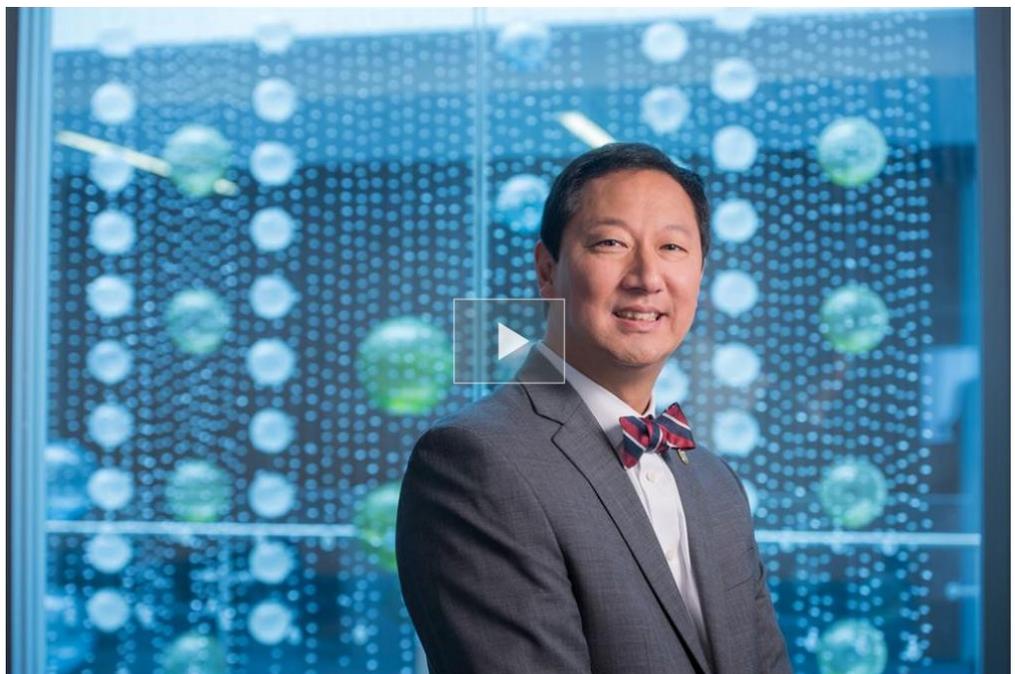
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Video Introductions



An introduction to UBC and Vancouver (3 minutes)



Get to know UBC and Dr. Santo Ono, UBC's 15th President and Vice Chancellor in this video interview (4 minutes)



Executive Summary

The University of British Columbia (UBC), one of the world's most dynamic universities, invites applications and nominations for the position of Dean of the Faculty of Applied Science.

UBC's vision is to create an exceptional learning environment that fosters global citizenship, advances a civil and sustainable society, and supports outstanding research to serve the people of British Columbia, Canada, and the world. Ranked among the top 40 universities globally, with campuses in Vancouver and, more recently, the Okanagan, UBC offers faculty, staff, and approximately 63,000 students not just intellectual riches, but an unrivaled quality of life.

The Faculty of Applied Science at UBC is as unique as it is innovative. The Faculty includes Engineering programs on two campuses (Vancouver and Okanagan), and Schools of Nursing, Architecture and Landscape Architecture, and Community & Regional Planning. Home to world-leading researchers and educators, several departments and schools rank among the top 20 globally, all rank within the top 50.

The Faculty is home to over 7,500 students, received over \$50m in external research funding last year, and boasts an impressive track record (106 at last count) developing spin-off companies. The co-op program engages nearly 2,000 students each year and operates in 16 countries.

Not content to rest on success that dates back almost 100 years, the Faculty is at an exciting and dynamic point in time. A promised expansion of engineering seats for undergraduate students in British Columbia will result in a significant expansion in both Vancouver and Kelowna in the coming years. A new Biomedical Engineering School, in partnership with the Faculty of Medicine, will offer exciting opportunities for undergraduate and graduate students. In the Okanagan, a new, \$200m Learning Factory for Advanced Composites is in the advanced stages of planning – a partnership with Boeing, Avcorp and the University to build a facility on campus that produces complex parts for aircraft. Countless other initiatives are also underway – including planning for new facilities in Vancouver, new professional masters programs, and significant faculty recruitment.

The new Dean will bring a commitment and passion to leveraging the unique mix of disciplines found in the Faculty, while partnering with other departments across the University to propel UBC forward. The new Dean will bring a demonstrated leadership track record, exemplary academic credentials, and the capacity and vision to build on the momentum that the Faculty has achieved in recent years.

This is an opportunity to lead an exceptional Faculty with world-class academics, students and facilities, situated in a city that consistently ranks as one of the three most liveable cities in the world.



About the University of British Columbia

Overview

The University of British Columbia is a global centre for research and teaching, consistently ranked among the 40 best universities in the world – and top 20 public universities. Since 1915, UBC’s West Coast spirit has embraced innovation and challenged the status quo. Its entrepreneurial perspective encourages students, staff and faculty to challenge convention, lead discovery and explore new ways of learning. At UBC, bold thinking is given a place to develop into ideas that can change the world.

UBC is home to over 63,000 students on two main campuses, including approximately 14,000 international students from 162 countries. These students are supported by 15,000 faculty and staff members across UBC’s campuses in Vancouver and Kelowna.

UBC’s annual budget is over \$2 billion and the university received \$600 million in research funding for more than 8,000 projects in 2016/17.

UBC at a Glance 2016/17



- 62,923 total students
- 54,236 Vancouver students
- 8,687 Okanagan students
- 14,434 international students from 162 countries
- 12,800 degrees granted in 2016
- \$12.5 billion in economic impact
- 199 companies spun off from UBC research
- 1,342 research projects with industry partners
- 1,112 research contracts and agreements with government and non-profits



Research funding for
8,766
projects

- \$2.3 billion annual operating budget
- 306,000+ alumni in 140 countries
- 15,190 faculty and staff
- 34th in Times Higher Education world rankings, one of three Canadian universities in the top 50
- Canada’s 1st Fair Trade campus
- Earned Canada’s 1st Gold in the STARS sustainability rating system



Vision and Values - UBC



Vision

As one of the world's leading universities, The University of British Columbia creates an exceptional learning environment that fosters global citizenship, advances a civil and sustainable society, and supports outstanding research to serve the people of British Columbia, Canada and the world.

Values

Academic Freedom: The University is independent and cherishes and defends free inquiry and scholarly responsibility.

Advancing and Sharing Knowledge: The University supports scholarly pursuits that contribute to knowledge and understanding within and across disciplines, and seeks every opportunity to share them broadly.

Excellence: The University, through its students, faculty, staff and alumni, strives for excellence and educates students to the highest standards.

Integrity: The University acts with integrity, fulfilling promises and ensuring open, respectful relationships.

Mutual Respect and Equity: The University values and respects all members of its communities, each of whom individually and collaboratively makes a contribution to create, strengthen and enrich our learning environment.

Public Interest: The University embodies the highest standards of service and stewardship of resources and works within the wider community to enhance societal good.



Strategic Themes - UBC

At his installation address as UBC President in November 2016, Dr. Ono outlined four themes that have been identified during the initial consultation process that will guide the University's upcoming strategic plan. A copy of Dr. Ono's speech can be found [here](#). The four themes identified in that speech were:

“UBC should always place as a priority basic and fundamental research and scholarship. We cannot sacrifice basic research or scholarship in the liberal arts by focussing all of our attention on applied science and technology. Scholarship in the liberal arts form the foundation of an educated human being and citizen and is the reservoir for future innovation. Divesting from such core activities within the academy is tantamount to mortgaging one's future for current day opportunities.”

Dr. Santa Ono

- 1) **Education and Research** – UBC's new strategic plan will include a continued and intense focus on education and research as core priorities of the University. This includes an expansion of UBC's global leadership in innovating new ways of teaching; a commitment to teaching values; and ensuring that the curricula in all of UBC's programs offers depth and full consideration of issues of importance to Indigenous people. With regards to research – an absolute commitment to recruiting and retaining the best scholars in the world. And UBC will differentiate itself from other great universities by committing itself to solving some of the grand challenges that face humanity: clean water, sustainable and renewable energy, chronic diseases and global food availability.
- 2) **Innovation** - Already rated Canada's most innovative university and one of the top 50 globally, UBC aspires to do even better. UBC will situate itself as a critical cornerstone of the innovation agenda in BC and Canada, acting as a catalyst for new technologies and spin off companies.
- 3) **Student Experience** - UBC will continue to think about how to enhance the student experience both in and outside the classroom. The Science Education Initiative - a multi-year project aimed at dramatically improving undergraduate science education - has led the world in new ways of teaching science to undergraduates. UBC will also continue to innovate classroom teaching and increase the number of students involved in experiential learning.
- 4) **Enhance UBC's connections in BC and its standing as Canada's most international university** – UBC will develop plans for even deeper and broader engagement with Vancouver and British Columbia in the years ahead, building on existing initiatives and identifying new opportunities. To strengthen UBC's global standing, the international portfolio will be reconceived and a multi-year international engagement strategy will be developed.



Strategic Themes (cont'd)

A Steering Committee has been created to develop UBC's next Strategic Plan, building off the success of the most recent *Place and Promise* plan. Hundreds of submissions were received and in Spring 2017 a list of 8 themes emerged from these campus wide consultations. For more information on the strategic planning process, please visit: <http://president.ubc.ca/strategic-initiatives/creating-our-strategic-plan/>

The 8 themes identified were:

1. Local/Regional/Global

As a public research university located in the diverse province of British Columbia, Canada, and as North America's most international university, we are ideally positioned to embrace internationalization as an ethos. This strategic priority would foster learning and scholarship that equips people to live and work in diverse local, regional and global communities while engaging with the complexities of international relations.

2. Working Across Disciplines

The big challenges society faces today do not come neatly packaged in disciplinary categories. This strategic priority would foster trans-disciplinary learning opportunities, interdisciplinary scholarship and knowledge mobilization, while identifying and addressing institutional barriers to inter-disciplinarity.

3. Creativity, Innovation and Risk Taking

UBC is already recognized by its peers as a university that is willing to be creative, to take risks and to innovate. This strategic priority would foster and reward innovation, creativity and risk-taking among students, faculty and staff while supporting collaboration with external partners.

4. Engagement and Reciprocity

The strategic priority emphasizes connections and relationships between UBC's work and the communities and societies in which we live. This strategic priority would foster engaged research, learning opportunities and knowledge exchange.

5. Our Community and Wellbeing

Cultivating physical and mental wellbeing amongst our students, faculty, staff and community is crucial to our success as a university. This strategic priority focuses on building strong and inclusive communities on our campuses and beyond, and on institutional initiatives that support our people to achieve their full potential.

6. Sustainability

Our 2009 Strategic plan, *Place and Promise*, committed all aspects of the University—its infrastructure, research, teaching and learning elements—to exploring and exemplifying social, economic and environmental sustainability. In our initial survey, you told us that you are proud of what we have achieved in respect to sustainability, and that you would like UBC to continue to pursue this strategic priority.



7. Indigeneity

The Aboriginal Strategic Plan adopted as part of Place and Promise reflected UBC's commitment to Aboriginal education, respect for Aboriginal knowledge and cultures, and resolution to build upon the strengths of the university to more fully address the needs of Aboriginal and Indigenous communities in British Columbia, Canada, and the world. In our initial survey, you told us that our commitment to these principles differentiates UBC from other major research universities, and that we should build on these principles, especially in light of the work of the Truth and Reconciliation Commission of Canada.

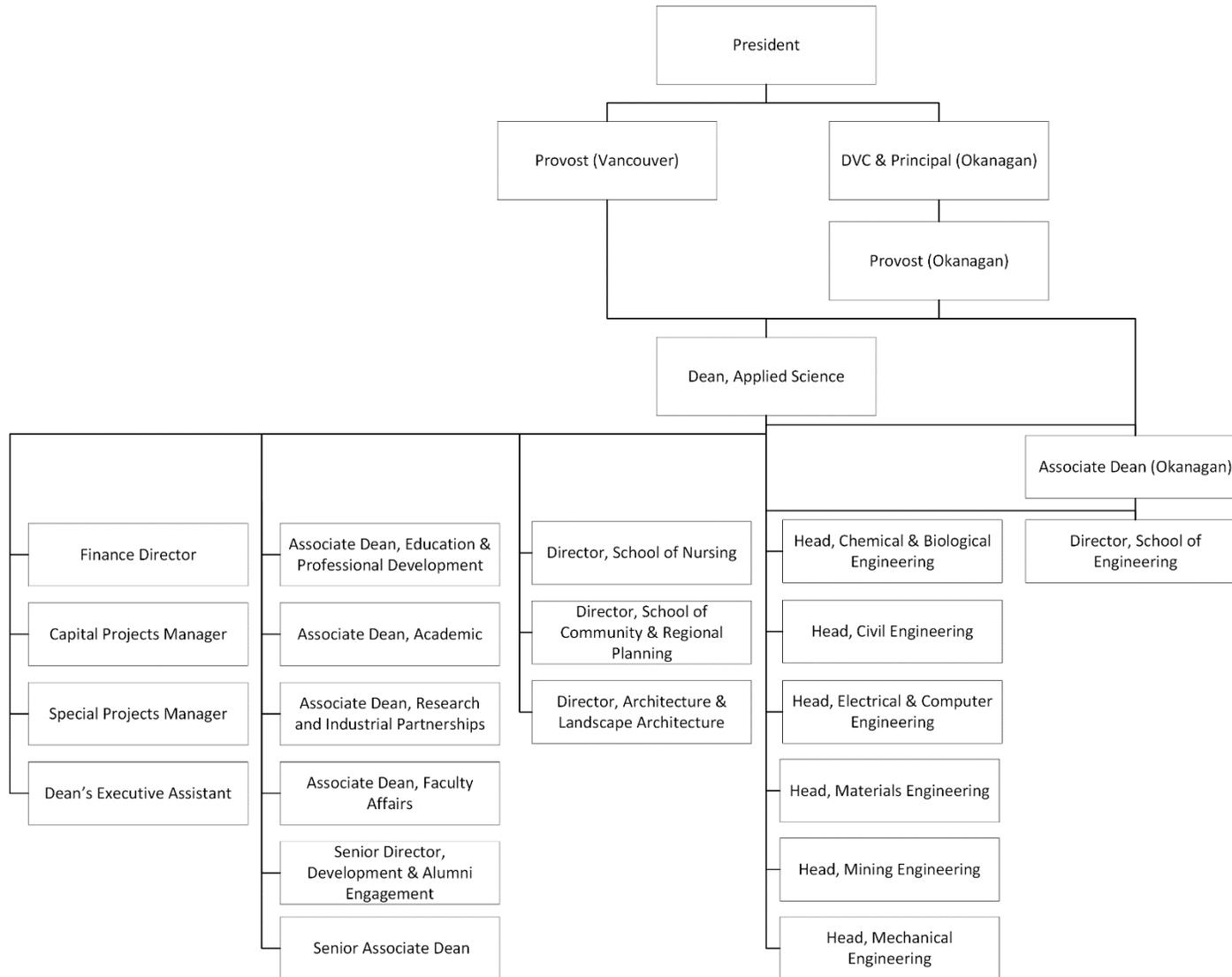
8. Diversity

UBC's success depends upon being an inclusive and welcoming place for all people. This strategic priority promotes inclusivity of all people regardless of sexual orientation, gender expression, racial and ethnic background, family status, ability, or national origin. It focuses attention on intercultural dialogue and diversity in scholarship, learning and institutional activities.

These eight strategic priorities are important to our four core institutional activities:

1. Teaching and learning
2. Research and scholarship
3. Knowledge mobilization
4. Institutional activities

Organizational Chart – Dean, Faculty of Applied Science





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Faculty of Applied Science

The Faculty of Applied Science (APSC) at UBC operates on two campuses. In Vancouver, the Faculty includes the School of Architecture and Landscape Architecture, the School of Community and Regional Planning, the School of Nursing, and six engineering departments, including: Chemical and Biological; Civil; Electrical and Computer; Materials; Mechanical; and Mining.

The Okanagan campus of UBC opened in 2005, including a brand-new School of Engineering. The School is part of the Faculty of Applied Science (led by the Dean, based in Vancouver), and has campus-based leadership in the form of an Associate Dean and a Director.

For more detailed information on the Faculty, each School and the engineering departments, please visit:

[UBC Engineering \(Vancouver\)](#)

[School of Engineering \(Okanagan\)](#)

[School of Community and Regional Planning](#)

[School of Nursing](#)

[School of Architecture and Landscape Architecture](#)

[Strategic Plan – Engage 2020](#)

APSC at a glance

- 5,714 undergraduate students
- 1,767 graduate students
- 320 faculty and 365 staff
- 30,000 alumni
- \$46 million annual research funding
- \$8 million annual industry funding
- 106 spin-off companies
- 1,975 annual co-op work terms in 16 countries

APSC Place in the World

The Faculty and its Schools are recognized globally for their excellence in teaching and research. The engineering program at UBC ranks among the top 50 universities in the world across numerous global rankings, with Mining (top 10) and Civil (top 30) leading the way. In Canada, engineering at UBC consistently ranks somewhere in the top 3. Similarly, the School of Nursing in the Faculty ranks among the top 20 globally and top 3 in Canada. The School of Architecture ranks number one in Canada and in the top 30 globally in the most recent rankings.



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Engage 2020 - Faculty Strategic Plan

OUR MISSION

To create positive change in the world through the generation, professional embodiment, and innovative application of new knowledge.

OUR VISION

To provide an unparalleled research and learning environment in which creative minds work together to address today's greatest challenges in service to society.

OUR VALUES



CONNECTION: We engage one another with respect and scholarly generosity within an open and inclusive culture.

LEADERSHIP: We are a Faculty of leaders. We take the initiative. We are defined by our integrity, excellence, innovative mindset, and passionate spirit of engagement.

IMPACT: Our choices and actions reflect our common purpose: transformative change.

OUR COMMITMENTS

The Faculty's commitments are articulated alongside the goals and actions that will allow us to see them through. Grounded in our present strengths and focused on our future, the plan is designed to evolve as we do. These priorities will drive our decisions.

A CULTURE OF VALUING PEOPLE: The Faculty provides a values-driven culture, creating an environment that fully supports passionate engagement in scholarly activity and attracts and retains world-class students, staff, and faculty from around the globe.

A FOCUSED RESEARCH ENTERPRISE: The Faculty defines and hones its exceptional research strengths, assumes global leadership, expands the boundaries of professional practice, and accelerates knowledge mobilization to benefit society.

A DISTINCTIVE LEARNING ENVIRONMENT: The Faculty provides a superb student experience: outward facing, research driven, hands on, and grounded in core fundamentals, sustainability, and integrity.

AN ENGAGED COMMUNITY: The Faculty partners with its communities to advance the wellbeing of society by addressing social, economic, cultural, and ecological challenges.



Candidate Profile

Academic Record: An exemplary record as an educator and researcher in a related field. Eligible to be appointed as a Full Professor at UBC in the Faculty of Applied Science.

Administrative Experience: A successful track record as a Dean, Department Head, or other senior leadership role within a well-respected, research intensive university. Proven ability to recognize excellence and facilitate career advancement through the University's system of promotion and tenure. Experience managing the financial resources and human resources of a large academic unit. Effective at delegation and the development of a strong, trust-based leadership team.

Strategic: Capacity to envision and champion what the Faculty of Applied Science can contribute and become in today's rapidly changing global higher education environment. Able to engage and inspire a diverse range of people in the evolution of the Faculty's vision to align with UBC's strategic priorities, and develop implementation strategies for the goals in the vision.

Collaborative Leadership: Able to provide effective, enthusiastic and transparent leadership to a diverse organization. A proven track record of being a consensus builder. Has demonstrated an interest in working with leaders across the University, in other disciplines, in pursuit of institutional goals.

Focus on Quality: High academic standards with a commitment to advancing excellence in research, teaching and service across a range of disciplines.

Breadth of Academic Interests: Understands and is passionate about the breadth of programs within the Faculty, including engineering, nursing, architecture and community planning.

Student-centric: Demonstrated commitment to enhancing the undergraduate, graduate, and post-doc student experience. Committed to being approachable, accessible, and accountable to students of all programs, and to engage in regular, active and meaningful dialogue with the student body.

Inter-cultural Understanding and Diversity: Demonstrates an inter-cultural understanding and a commitment to equity, inclusion, diversity and excellence in scholarship, teaching, employment activities, and community engagement.

Interpersonal Skills: Strong interpersonal skills; builds trust through an open, respectful and collegial approach. A collaborator who is able to work in a highly interactive and productive manner with faculty, staff and students across the Faculty and the University in the support of institutional goals.



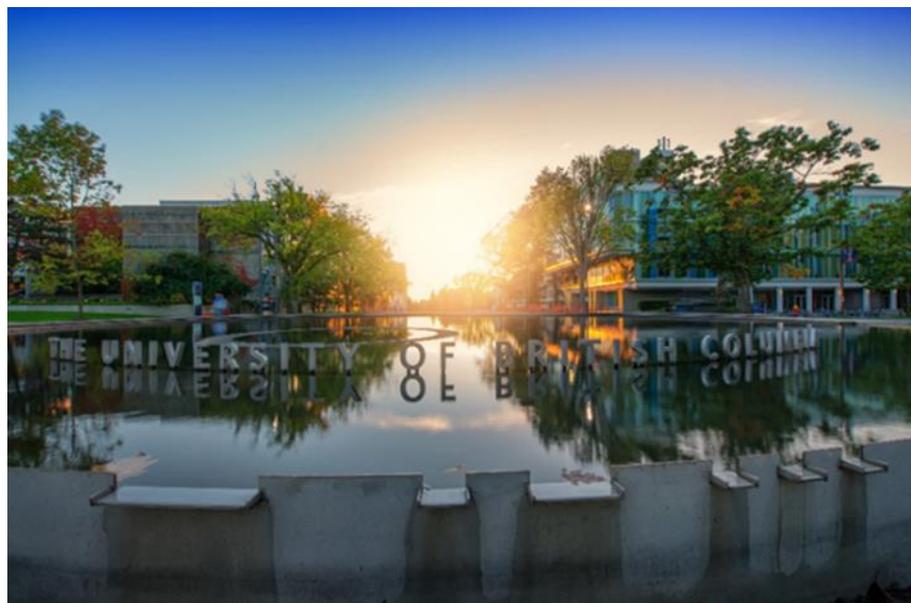
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Communication Skills: Has strong communication skills – able to listen actively and communicate effectively to individuals and groups. Is consultative with respect to energizing the leadership team. Inspires others to put forward their best effort and ideas. Has the ability to resolve issues in a consultative, sensitive and fair manner.

External Relationships: Has the presence and confidence to play a leadership role with government, industry, professional bodies, alumni, and other external stakeholder groups. Strong, transparent advocate for the Faculty to the broader community.

Development: Will be committed to playing an active leadership role in fundraising from external sources and is able to instill a similar commitment to the leadership team. Views fundraising and alumni engagement as important ways in which the Dean and the leadership team can support and advance the Faculty.





About Vancouver, BC



Introduction to Vancouver Video

Vancouver's international profile has surged in recent years, thanks to the reputation it has garnered as one of the world's top cities. Vancouver has spent almost a decade in first place on the *Economist's* worldwide 'most liveable cities' list; placed top five in Mercer's Quality of Life Survey; and was recognized by *Forbes* as one of the world's top ten cleanest cities.

Vancouver has one of the country's most prosperous economies and is forecast to have one of Canada's fastest-growing metropolitan economies. Home of Canada's largest port, Vancouver is a gateway for pan-Pacific trade and many companies choose to headquarter here, particularly in mining and forestry sectors. Vancouver's major economic sectors include international trade, finance, natural resources, technology, film and tourism.

Vancouver boasts excellent public and private education systems, with students scoring highly on international student assessments and having a reputation for high academic performance.

Vancouver has also been ranked as one of North America's healthiest cities. This can be attributed to the excellent lifestyle that "Vancouverites" enjoy, given their easy access to countless forms of recreation. Vancouver's natural surroundings offer limitless opportunities for outdoor pursuits, such as hiking and mountain biking in the spring and summer, and skiing at nearby Whistler-Blackcomb Ski Resort.

Situated between the North Shore coastal mountains and the edge of the Pacific Ocean, Vancouver is one of North America's most beautiful cities, boasting breathtaking landscapes, cultural vibrancy, and vast economic potential. With a population of 2.3 million, Metro Vancouver is the largest metropolitan centre in Western Canada. It is a truly dynamic place to live and build a rewarding career.

For more information on Vancouver, please visit www.hellobc.com and www.tourismvancouver.com.

Overview of Search

Estimated Search Timeline

While every search is dynamic and time frames are hard to predict, the following is an overview of the expected timeline for this search:

- Advertising, recruiting, and initial discussions: June/September
- Interviews: September/October
- Start Date: January/July 2018

Search Committee and Process Update

A list of committee members and other updates can be found on the Provost's website at <https://academic.ubc.ca/academic-community>

About Boyden

Boyden consists of an integrated global community of search professionals and industry specialists across more than 70 offices in 40 countries worldwide. In Canada, Boyden offers clients 5 offices and over 100 search professionals along with the largest post-secondary practice group in the country. The search professionals of Boyden have a rich foundation of experience and knowledge in higher education searches established through their successful track record over the past two decades.

Consulting Team



Brent Cameron and Alex Verdecchia in Boyden's Vancouver office are the team leaders on this search for UBC's next Dean of Applied Science.

Brent's specialization is in searches for clients in the academic sector and he leads Boyden's Canadian education practice. Recent assignments have included executive recruitments at the Presidential, VP, and Decanal levels for a range of Canadian universities. Brent holds an Honours Bachelor Degree in Arts from Queen's University and a Master's in Business Administration from the University of British Columbia.

To contact Boyden, please call 1-604-685-0261 or email at averdecchia@boyden.com