

SUBJECT	TUITION: BACHELOR OF DESIGN IN ARCHITECTURE, LANDSCAPE ARCHITECTURE AND URBAN DESIGN (B.DES.)
MEETING DATE	APRIL 13, 2017

Forwarded to the Board of Governors on the Recommendation of the President

APPROVED FOR SUBMISSION



Santa J. Ono, President and Vice-Chancellor

DECISION REQUESTED	IT IS HEREBY REQUESTED that <i>the UBC Board of Governors approve tuition of \$290.00 per credit for domestic students and \$1,290.00 per credit for international students, and a Technology Use Fee of \$300.00 for all students, for the Bachelor of Design in Architecture, Landscape Architecture and Urban Design program (B.Des.), which will commence in September 2018.</i>
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Report Date	March 17, 2017
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Presented By Angela Redish, Provost & Vice-President Academic *pro tem*
 Hugh Brock, Associate Provost Academic Innovation
 Marc Parlange, Dean, Faculty of Applied Science
 Ron Kellett, Director, School of Architecture and Landscape Architecture
 Mari Fujita, Chair, Environmental Design Program, School of Architecture and Landscape Architecture

EXECUTIVE SUMMARY

The Bachelor of Design (B.Des.) in Architecture, Landscape Architecture and Urban Design replaces the Bachelor of Environmental Design (B.En.D.) program offered since 2002. The B.Des. aims to lead Canadian undergraduate design education with a unique pedagogy, curriculum and infrastructure that is a model of studio-learning, technology in learning, collaborative learning, and community-based learning. The program is built upon an interdisciplinary learning environment that explores the connectedness of design across scales: from the design of objects to architecture; from landscape architecture to urban design. The program is a comprehensive design education that teaches students to positively impact society and the environment through design and aspires to graduate design leaders and entrepreneurs with the skills to launch ideas into action.

The B.Des. will be a four-year, direct entry bachelor’s degree program in Architecture, Landscape Architecture and Urbanism which builds on the strengths and experience of the current B.En.D., a third-year entry program. The B.Des. will commence in September 2018 with a cohort of up to 20 first-year students and a cohort of 30 second-year students who have completed the necessary credits to transfer into the program.

INSTITUTIONAL STRATEGIC PRIORITIES SUPPORTED

- Learning
 Research
 Innovation
 Engagement (Internal / External)
 International

or Operational

DESCRIPTION & RATIONALE The B.Des. is designed to equip tomorrow's design leaders and practitioners with the critical thinking and practical skills necessary to make positive and meaningful contributions to the creation of designed environments at many scales. The program capitalizes on the Vancouver region's leadership in environmentally sustainable design experimentation by providing a unique and rich local learning laboratory for students from British Columbia, other Canadian provinces, and abroad.

Demand for this program and its graduates is substantial. According to the B.C. 2025 Labour Market Outlook Report, employment growth for 'Architectural Services' will grow 1.9% between 2016-2020 and 1.6% between 2020-2025. The report shows 18,100 job openings in this sector, with an expansion of 6,600 jobs and the replacement of 11,600 jobs in 2016. The occupation of 'Architect' is listed in the "Top 100 High Opportunity Occupations" among occupations requiring a Bachelors, Graduate, or First Professional Degree. For the North region in British Columbia, Architectural Services is listed as one of "The Five Industries Forecast to Expand the Fastest in the Region". Finally, the World Economic Forum "Jobs of the Future" report from January of 2016, lists the "Top 10 Competencies Projected for 2020". From this list, the education in the B.Des. program explicitly teaches the following competencies: Complex Problem Solving, Critical Thinking, Creativity and indirectly teaches Coordinating with Others, Judgment And Decision-Making, and Service Orientation (p 15 of the B.C. 2025 Labour Market Outlook Report).

The B.Des. is a 133-credit program that requires eight 4-month terms of full-time study. The program includes 91 credits of coursework in design, history and theory, technology, design media and professional practice. In addition, the program includes 9 credits of required General University courses including a Reading requirement, a Writing requirement and a Geography requirement. Finally, students are required to complete 33 credits of elective course work. Eligible students can apply for the Honours option; these students will engage in a more independent design studio experience in the last term. Students who opt for Cooperative Education can choose to complete up to four four-month terms. The students who select Co-op Education will add up to one calendar year to their course of study.

Students who complete the B.Des. program will be able to:

- Approach the design of places imaginatively and creatively.
- Think spatially and holistically about the design of buildings, neighbourhoods, cities and regions.
- Think critically about architecture, landscape architecture and urban design history and theory and apply it to design practice.
- Integrate design thinking and making across a range of scales
- Analyze local conditions and contexts and adapt sustainable design solutions accordingly.

- Exercise a wide range of communication skills, including graphic, written and verbal.
- Emerge as critical thinkers who can challenge the status quo and offer design solutions that bridge the theoretical and practical gaps between the disciplines of architecture, landscape architecture and urban design. For design disciplines in general, critical thinking pertains to the ability to leverage knowledge of the history, theory and precedents of the discipline and identify a position that challenging the status quo.

BENEFITS Learning

Learning,
Research,
Financial,
Sustainability &
Reputational

The B.Des. program will offer students a unique and relevant education in an intimate and progressive learning environment. This interdisciplinary design degree is unique to Canada as the only undergraduate design degree that actively integrates architecture, landscape architecture and urban design throughout the duration of the degree. In addition, the commitment to sustainable design that distinguishes the School of Architecture and Landscape Architecture (SALA) from other design schools in Canada is a core value of the B.Des. degree and is fundamental to many courses in its various subject areas.

In addition to the B.Des. core requirements, the program supports Co-op as well as international educational experiences through a required design studio that works in a foreign context, as well as a Coordinated International Experience (CIE) option that sends students to Europe, Asia and Australia to study abroad for one term.

Reputational, Innovation

The B.Des program will enhance the profile of the School of Architecture and Landscape Architecture, the Faculty of Applied Science, and the University of British Columbia. It will call upon and enhance its expertise and reputation in interdisciplinary design education to develop graduates prepared to engage in design thinking and making at a variety of scales.

Financial

A careful analysis of revenue generated from the B.Des. program was conducted based on the existing student demand for the current Bachelor of Environmental Design program. The existing B.En.D. program attracts three qualified applicants for every seat. In addition to courses offered to design majors, the School of Architecture and Landscape Architecture offers four 100- and 200-level open enrolment courses to UBC students. These courses attract an average of over 100-students each. We are confident that the program will generate the projected revenue to ensure fiscal viability.

<p>RISKS Financial, Operational & Reputational</p>	<p>Finances and budgets for this program have been thoroughly reviewed and approved by the Director of Finance and Resources for the Faculty of Applied Science. As a new program replacing an existing program, there is minimal financial risk. The department commits to the regular review of enrolment and ongoing monitoring of costs and financial sustainability.</p>
<p>COSTS Capital & Lifecycle Operating</p>	<p>The program is designed to operate within the revenue of the School of Architecture and Landscape Architecture. The School's share of tuition revenue will be sufficient to cover the costs of the program and no additional funding will be required.</p>
<p>FINANCIAL Funding Sources, Impact on Liquidity</p>	<p>The B.Des. will be funded from the existing block grant and from domestic and international tuition. The existing block grant supports 22 seats; in a program of 110 students a year, the majority of the funding sources will come from tuition.</p> <p>Proposed program tuition is \$290 per credit for domestic students and \$1,290 per credit for international students, effective 2018 Winter Session. Upon acceptance to the program, students will be required to pay a non-refundable acceptance deposit of \$500 for domestic students and \$1,000 for international students to be applied towards their first tuition instalment. As do all students in SALA, B.Des students will be required to pay an annual Technology Use Fee of \$300 to support the ongoing development and maintenance of requisite design media infrastructure. The fee follows the current standard rate in all SALA programs and is payable once per year during the Term 1 of Winter session of each year level of the program. Tuition and fee details are included at the end of this document.</p> <p>The tuition was set based on an analysis of the tuition of programs in the area of Bachelors in Architecture and Design in the US and Canada relative to the reputation of the institution offering the program.</p>
<p>SCHEDULE Implementation Timeline</p>	<p>The program is scheduled to launch in September 2018.</p>
<p>CONSULTATION Relevant Units, Internal & External Constituencies</p>	<p>The proposal was reviewed, discussed, and approved by the following units: The Faculty of Applied Science (Dean's Office, Finance Manager, School of Architecture and Landscape Architecture Faculty, Departments of Civil Engineering, Electrical and Computer Engineering, Mechanical Engineering, Mining Engineering, Environmental Engineering, Chemical and Biological Engineering, SCARP); The Faculty of Arts (Dean's Office, Department of Art History, Visual Art and Theory, Department of English, First Year Programs, Department of Geography, Liu Institute for Global Issues); Faculty of Commerce and Business Administration (Dean's Office); Faculty of Science (Dean's Office); Faculty of Forestry (Dean's Office); Faculty of Land and Food Systems (Dean's Office); and the UBC Library.</p> <p>Informal consultations with current students and alumni of the B.En.D program have been ongoing for the past three years. Every aspect of student feedback was</p>

addressed in the re-designed curriculum including: first-year entry, room for electives in the 3rd and 4th year, an Arts minor added to the degree, more courses that replace typical requirements for graduate school e.g. structures, the addition of exchange and co-op, the degree name change.

Students were formally consulted twice as the New Program Proposal evolved. Throughout September of 2016, current students were included in discussions regarding the naming of the new degree. Students were invited to two meetings where the naming was discussed. Student feedback was sought on each proposed degree name and students voted at both meetings.

In December of 2016, current student were given a formal consultation on the program proposal as a whole. Through the formal consultation, the students expressed support for the new degree.

Consultation with Alma Mater Society (AMS), Graduate Student Society (GSS) took place over the period between February 9, 2017 to March 11, 2017. A face-to-face meeting with AMS and GSS representatives took place on March 8, 2017. This meeting included representatives from Ends Society (the student society of the Bachelor of Environmental Design Program), LASA (the student society of the Master of Landscape Architecture Program), and Archus (the student society of the Master of Architecture Program). The final consultation report is attached.
