SUBJECT	Tuition | Bachelor of Applied Science in Computer Engineering, UBC Okanagan
SUBMITTED TO	Finance Committee
MEETING DATE	June 14, 2023
SESSION	Recommended session criteria from Board Meetings Policy: OPEN
REQUEST	**APPROVAL REQUESTED** IT IS HEREBY RESOLVED that the Finance Committee, in accordance with authority delegated by the Board of Governors, approves tuition for the Bachelor of Applied Science in Computer Engineering at UBC Okanagan of $194.78 (year 1) and $207.92 (years 2 to 5) for domestic students and $207.92 (year 1) and $1,560.43 (years 2 to 5) for international students, aligned with standard undergraduate per-credit amounts, effective September 2024, subject to increases as approved by the Board of Governors.
LEAD EXECUTIVE	Rehan Sadiq, Provost and Vice-President Academic, UBC Okanagan
SUPPORTED BY	Dale Mullings, Associate Vice-President Students, UBC Okanagan

EXECUTIVE SUMMARY

Following approval of the program by the UBC Okanagan Senate in May 2023, the request for approval of the Bachelor of Applied Science in Computer Engineering was forwarded to the Learning & Research Committee under the Committee's June 2023 agenda. Pending approval from the Board of Governors, the program will admit its first cohort of students in September 2024.

The School of Engineering at UBC's Okanagan campus proposes this Computer Engineering Undergraduate Degree program to be offered in parallel with the other Civil, Electrical, Mechanical, and Manufacturing Engineering programs. The Computer Engineering program (already offered in the Vancouver campus) will have the standard first-year engineering curriculum, partially common Year 2, and specialized curriculum in Years 3 and 4. A five-year degree program will also be available for students wishing to take a lighter course load. A Co-Op option is also available.

Computer Engineering is designed to address the demand of engineering professionals who are well trained in electrical and computer technology. Despite this high demand, there is no Computer Engineering Undergraduate Degree Program in the British Columbia Interior. Currently, institutions such as Thompson Rivers University, Okanagan College, and other regional colleges offer the Software Engineering Programs; therefore, they are not competitive to this program. Instead, the proposed Computer Engineering program would be seen as more complementary.

The students will receive hands-on training through project work that will emerge from practical needs. Training in engineering entrepreneurship is also available to prepare our students to launch high-tech start-up companies in the Okanagan region. The Computer Engineering discipline can foster interdisciplinary research with other existing programs such as Manufacturing Engineering, which focuses on Industry 4.0 and contains many computer-related skills that deal with sensors, data, logic control, etc. Computer Engineering can build on existing investments made with the SoE and strengthen relationships with other academic units such as Computer Science.

This program falls directly in line with *UBC's Shaping the Next Century* by tackling all three themes of *Inclusion, Collaboration, and Innovation*. This Computer Engineering program will *attract, engage and retain students and faculty* both internationally and domestically. Collaborating from various backgrounds, these students will learn how to leverage research and expand on opportunities made available to them to solve real work problems.

APPENDICES

1. Tuition and Fee Assessment Details
2. Tuition Consultation Report

THE UNIVERSITY OF BRITISH COLUMBIA
Okanagan Campus

Appendix 1 – Tuition and Fee Assessment Details

Program Description: Bachelor of Applied Science – Computer Engineering

Anticipated Start Date: September 2024

	Domestic	International
Tuition fees per credit Year 1– Note 1	$194.78	$1,560.43
Tuition fees per credit Years 2 to 5 – Note 1	$207.92	$1,560.43
Application Fees (Undergraduate) – Note 2	$75.50	$127.75
Non-Refundable Acceptance Deposit – Note 3	$500.00	$1,000.00

Note 1 – Proposed tuition will be subject to annual increases as established by the university.

Note 2 – This is the current fee for the 2024W application cycle and is subject to annual increases.

Note 3 – The non-refundable acceptance deposit will be applied towards the first tuition instalment.

Bachelor of Applied Science, Computer Engineering

Tuition Consultation Report

The University would like to gather your comments on the tuition for a proposed Bachelor of Applied Science, Computer Engineering. Below you will find:

- instructions to provide feedback
- an overview of the program
- the proposed tuition

Instructions

Attached is a program proposal by the Bachelor of Applied Science (BASc) in Computer Engineering (CMPE). We are writing to you regarding the proposed new program tuition.

In order to inform the program leads and the Board of Governors with regards to the New Program tuition proposal for this program, the University is undertaking a consultative process to get your comments as student representatives, and provide an opportunity for students to provide individual comments on the proposal if they wish.

The consultation will consist of:

1. e-consultation

Please find attached a document which outlines the details of the tuition and fee proposal, including:

- an overview of the program,
- the tuition and fees rationale for the program, and
- the proposed tuition and fees.

Please share the document and this email as you see appropriate. Comments and student organization submissions on the tuition proposal can be provided to Sherry Petkau, executive assistant for Office of the AVP Students

2. Face to Face/Zoom meeting

If requested by student representatives, we can arrange a face-to-face/Zoom meeting with the program leads in the Faculty regarding this tuition proposal. Please advise as soon as possible if you would like us to arrange a meeting.

THE CONSULTATION PROCESS WILL END ON FRIDAY, MAY 26TH AT MIDNIGHT.

Confidentiality

Comments will be collected by the Office of the Associate Vice-President (Students), and only analysts within that office will know the identity of individual students submitting comments. At no time will anyone outside of the Office of the Associate Vice-President (Students) know the identity of individual students who submit comments to this consultation. Your comments will only be used for the purposes of the tuition consultation. Comments from individual students will be stripped of any identifying information to ensure confidentiality, but otherwise will be provided to the responsible Faculties and the Board of Governors verbatim.

Comments received from student organizations will be reported as coming from those organizations, and provided to the responsible faculty and the Board of Governors as received.

Program Overview

The Computer Engineering (CMPE) program proposed by the School of Engineering has been developed in consultation with the Vancouver Computer Engineering program, and shares the same high-level program learning outcomes for the core elements of the program.
This program has been built to remain competitive within the industry while also contributing to the departments and university's strategic plan. CMPE will provide the students with hands-on training through project work that will emerge from practical needs. Training will be available in engineering entrepreneurship to prepare our students to launch high-tech start-up companies in the Okanagan region. This program will foster and promote interdisciplinary research with other existing programs such as Manufacturing Engineering, which focuses on Industry 4.0 and contains many computer-related skills that deal with sensors, data, logic control, etc. This program hopes to strengthen relationships and collaboration with other academic units within the university such as Computer Science and will also have the same optional Co-Op opportunity as the other Engineering Programs.

The students will compete 144 total program credits. The core curriculum consists of 120 credits with 24 credits being elective options for students. As with the Vancouver program, the Okanagan program has been designed to meet the criteria required by the Canadian Engineering Accreditation Board which further ensures that both programs meet the same specific graduate attributes defined by CEAB.

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Student consultation during the program development process

A survey was conducted with the UBCO Electrical Engineering students in April 2021. When asked the question "If UBCO offered a computer engineering program, would you or someone you know come to study at the School of Engineering instead of going elsewhere?" the majority of students responded favorably to this question (Y= 103 out of a total of 156 respondents). Some students have specifically noted they have friends who have chosen other schools over UBCO because they offered computer engineering.

Tuition and Fees Rationale

The program fees have been set in alignment with the other Applied Science programs in UBC Okanagan:

- Manufacturing Engineering
- Civil Engineering
- Mechanical Engineering
- Electrical Engineering

Proposed Tuition and Fees

The Bachelor of Applied Science in Computer Engineering will be assessed at the standard undergraduate per credit amount for domestic and international students. For 2023/24 academic year, the approved standard per credit rates are $194.78 (year 1) and $207.92 (years 2 to 5) for domestic and $1,560.43 for international students. Rates for this program will be aligned with standard undergraduate per credit amounts, which are subject to general tuition increases as approved by the Board of Governors.

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STUDENT TUITION CONSULTATION REPORT

The Associate Vice-President, Students Office, invited elected student leadership to participate and to share with their student members the opportunity to provide feedback on this proposed new program tuition.

Student Representative Bodies Invited to the Consultation

University of British Columbia Students' Union Okanagan, were invited by email on May 1st, to consult and/or provide written comments by May 26th, 2023

Mode of Consultation

The UBC Okanagan Students Union was offered an opportunity to provide feedback in writing or to have e-consultations scheduled at their request. No request was made, and there were no comments or feedback received from students.