KWANTLEN POLYTECHNIC UNIVERSITY
Senate

SENATE

Regular Meeting
Monday, April 27, 2026
4:00 p.m. – 7:00 p.m.
MS Teams

AGENDA

1. Call to Order ..... Diane Purvey 4:00
2. Approval of Agenda

   MOTION: THAT the agenda be approved as circulated.
3. Minutes of March 31, 2026 Regular Senate meeting

   MOTION: THAT Senate approve the minutes of the March 31, 2026 Regular Senate meeting.
4. Chair's Report
   - 4.1. President and Provost's Report to Senate ..... Diane Purvey 4:10
     - 4.1.1 Academic Plan 2027 Implementation Highlights
   - 4.2. Provost and Vice-President Academic ..... David Burns 4:20
5. Senate Standing Committee on Curriculum ..... Catherine Schwichtenberg 4:25
   - 5.1. April 2026 New and Revised Course Submissions

     MOTION: THAT Senate approve the attached list of new and revised courses.
   - 5.2. Graduate Studies General Regulation 4: Academic Progress

     MOTION: THAT Senate approve Graduate Studies General Regulation 4: Academic Progress, effective September 1, 2026.
   - 5.3. Program Revisions
     - 5.3.1 Minor in Music

       MOTION: THAT Senate approves the changes to the Minor in Music program and associated courses, effective September 1, 2026.
     - 5.3.2 Minor in Economics

       MOTION: THAT Senate approves the changes to the Minor in Economics program, effective September 1, 2026.
     - 5.3.3 Diploma in Brewing and Brewery Operations

       MOTION: THAT Senate approves the admissions changes to the Diploma in Brewing and Brewery Operations program, effective September 1, 2027.

5.3.4 Diploma in Engineering Physics

MOTION: THAT Senate approves the changes to the Diploma in Engineering Physics program, effective September 1, 2026.

5.3.5 Bachelor of Science, Major in Biology; Bachelor of Science (Honours), Major in Biology; Bachelor of Science, Major in Health Science; Bachelor of Science (Honours), Major in Health Science

MOTION: THAT Senate approves the changes to the following programs, effective September 1, 2026.

- Bachelor of Science, Major in Biology
- Bachelor of Science (Honours), Major in Biology
- Bachelor of Science, Major in Health Science
- Bachelor of Science (Honours), Major in Health Science

5.3.6 Associate of Science in Mathematics

MOTION: THAT Senate approves the changes to the Associate of Science in Mathematics program, effective September 1, 2026.

5.3.7 Minor in Mathematics

MOTION: THAT Senate approves the changes to the Minor in Mathematics program, effective September 1, 2026.

5.3.8 Bachelor of Science, Major in Applications of Mathematics; Bachelor of Science (Honours), Major in Applications of Mathematics

MOTION: THAT Senate approve the revisions to the following programs, effective September 1, 2026.

- Bachelor of Science, Major in Applications of Mathematics
- Bachelor of Science (Honours), Major in Applications of Mathematics

6. Senate Executive Committee

7. Senate Governance and Nominating Committee ..... Sharmen Lee 4:45

7.1. 2026 Presidential Search Advisory Committee Nominations

MOTION: THAT Senate appoint the following regular faculty members-at-large to the Presidential Search Advisory Committee:

- Farhad Dastur (Faculty of Arts)
- Paola Gavilanez (Wilson School of Design)
- Rachel Chong (Faculty of Educational Support and Design)

AND THAT Mazen Guirguis (Faculty of Arts) be recommended as an alternate, to be appointed in the event that any of the above-named appointees are unable to fulfill the duties or meet the requirements of the Committee.

7.2. Search Advisory Committee: Appointment of Chancellor

MOTION: Senate appoint the following member to the Search Advisory Committee, Appointment of Chancellor:

Senators (one)

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8. Senate Standing Committee on Program Review ..... Catherine Schwichtenberg 4:55
9. Senate Standing Committee on Research ..... Melissa Cuthill 5:00
10. Office of the Registrar ..... Nadia Henwood 5:05

    10.1. Election of the Vice-Chair of Senate

11. Items for Discussion
12. Adjournment

The next Senate meeting will take place on May 25, 2026. The following Standing Committees are scheduled to meet and provide reports at this meeting:

- SSC Library – April 29, 2026
- SSC Program Review – April 29, 2026
- SSC Teaching & Learning – April 30, 2026
- Joint SSC Academic Planning & Priorities and on University Budget – May 1, 2026
- SSC Policy – May 5, 2026
- SSC Curriculum – May 6, 2026
- SSC Tributes – May 11, 2026
- Senate Governance and Nominating Committee – May 12, 2026
- Senate Executive Committee – May 15, 2026

KWANTLEN POLYTECHNIC UNIVERSITY
Senate

SENATE

Minutes of Regular Meeting
Monday, March 30, 2026
4:00 p.m. – 7:00 p.m
MS Teams Online

Present:

Voting Members

Aimee Begalka
Alia Somji
Allyson Rozell
Andhra Goundrey
Brett Favaro
Catherine Schwichtenberg, Vice-Chair
Celia Brinkerhoff
Diane Purvey, chair
Diane Van der Gucht
Gurnoor Kaur
Jenna Smith
Landon Kleis
Laura Del Rio Torres
Laura McDonald
Leland Dieno
Lindsay Norris
Melissa Cuthill
Michael Cober
Mike Larsen
Raymond Chou
Richard Popoff
Sharmen Lee
Sheena Dela Torre
Shelley Boyd
Tara Lyons
Todd Mundle
Ulrich Paschen
Winston Sayson
Zena Mitchell

Ex-Officio

Kwuntiltunaat (Kim Baird), Chancellor

Non-Voting Members

David Burns
Nadia Henwood

Administrative Resources

Michelle Molnar
Sonia Orlu

Guests and Presenters

Not Present:

Voting Members

Harkomalpreet Gill
Mike Mann

Non-Voting Members

1. Call to Order and Territorial Acknowledgement

The Vice-Chair of Senate, Catherine Schwichtenberg, called the meeting to order at 4:00 p.m.

2. Approval of Agenda

Todd Mundle moved the agenda be approved as circulated.

The motion carried.

3. Approval of Minutes, March 2, 2026

Amendment: The attendance record was corrected to reflect that Richard Popoff was present at the March 2, 2026 Senate meeting.

Winston Sayson moved the minutes be approved as amended.

The motion carried.

4. Chair's Report

4.1. Acting President and Provost's Report to Senate

Acting President Diane Purvey presented her written report highlighting the impact of federal policy shifts on international student enrolment, resulting layoffs, KPU's plans for long-term stability, and the intention to share KPU's submission to the Avison review.

5. Approval of Graduates

Registrar Nadia Henwood presented the list of graduates for approval.

Brett Favaro moved that Senate approve the March 30, 2026 list of graduates, as confirmed by the University Registrar.

The motion carried.

6. Senate Standing Committee on Curriculum

Catherine Schwichtenberg, Chair of the SSCC, presented her written report.

6.1. Course Outlines

Amendment: Allyson Rozell noted that CRIM 1208 was removed as its quantitative designation request had been withdrawn.

Laura Del Rio Torres moved that Senate approve the attached list of new, revised, and discontinued course submissions, as amended.

The motion carried.

6.2. Program Revision: Certificate in Education Assistant

Catherine Schwichtenberg reported that the revisions were the outcome of a Quality Assurance process, including curriculum mapping, creation of a new course (EDAS 1240), and alignment of course learning outcomes to program learning outcomes.

Shelley Boyd moved that Senate approves the changes to the Certificate in Education Assistant program, effective September 1, 2026.

The motion carried.

6.3. Program Revision: Bachelor of Arts, Major in Geography

Catherine Schwictenberg outlined that the revisions were undertaken through a Quality Assurance process, with goals of improving flexibility, thematic coherence, course sequencing, and alignment of program learning outcomes.

Richard Popoff moved that Senate approves the changes to the Bachelor of Arts, Major in Geography program, effective September 1, 2026.

The motion carried.

6.4. Program Revision: Associate of Arts in Geography

Catherine Schwichtenberg described the revisions as complementary to those in the Bachelor's degree, aimed at improving student mobility and coherence within the Geography curriculum.

Richard Popoff moved that Senate approves the changes to the Associate of Arts in Geography program, effective September 1, 2026.

The motion carried.

6.5. Program Revision: Minor in Geography

Catherine Schwichtenberg noted that revisions reflected careful curriculum mapping and the removal or addition of courses to support student access and relevance.

Mike Larsen moved that Senate approve the changes to the Minor in Geography program, effective September 1, 2026.

The motion carried.

6.6. English Proficiency Requirement – Amendment

Catherine Schwichtenberg explained the establishment of a new Access Applicant category intended to reduce barriers for applicants with intellectual, developmental, and/or learning disabilities. Applications would be evaluated by an Access Admissions Committee using Universal Design for Learning (UDL) principles.

It was clarified that eligibility would be program-specific and approved by Deans, and that existing Access and Community Studies processes would remain unchanged.

Catherine Schwichtenberg moved that Senate approves the revisions to the University's English Proficiency Requirements, effective September 1, 2026.

The motion carried.

7. Senate Executive Committee

The Senate Executive Committee approved this agenda on March 20, 2026.

7.1. 2026-2027 Meeting Dates

Catherine Schwictenberg presented the meeting schedule, outlining the planning principles used, including academic cycles, examination periods, and coordination across committees and the Board of Governors. Senators were advised that calendar invitations would be circulated and should be accepted provisionally.

8. Senate Governance and Nominating Committee

Sharmen Lee, Chair of the SGNC, reported on ongoing committee work on bylaws, senate committee structure, and governance improvements.

8.1. Nominations, March 2026

Sharmen Lee moved that Senate appoint the nominees listed for approval in the *March 2026 Nominations to Senate Standing Committees*.

The motion carried.

8.2. Appointments to the Search Advisory Committee –University Librarian

Sharmen Lee moved that Senate appoint the following members to the Reappointment Search Advisory Committee for Associate Dean, Faculty of Arts:

Student (One):

- **Joe Reimer**

Regular faculty members (up to six)

- **Shereen Hassan (CRIM)**
- **Heather Cyr (ENGL)**
- **Ali Yusuf (CRIM)**
- **Gordon Cobb (MUSI)**
- **Stef Ashton (CRIM)**
- **Nicole Beaulieu (LANC)**

The motion carried.

9. Senate Standing Committee on Academic Planning and Priorities

Catherine Schwichtenberg, Chair of SSCAPP, presented her written report.

9.1. Accuplacer as an English Placement Test

Catherine Schwichtenberg referenced the pilot results and supporting statistical analysis included in the agenda package, noting that Accuplacer was found to be an effective English placement tool.

Tara Lyons moved that Senate approve Accuplacer as an English Language Placement Test, effective September 1, 2026.

The motion carried.

9.2. CLB Score Pilot Extension

Catherine Schwichtenberg noted that the extension was proposed to allow for further data collection and assessment.

Aimee Begalka moved that Senate approve a two-year extension to the current one-year pilot allowing the use of Canadian Language Benchmark (CLB) scores as an approved English prerequisite for admission to the Pathway to Undergraduate Studies and for placement into English Language Studies courses, as outlined in the table below, effective September 1, 2026.

The motion carried.

10. Senate Standing Committee on Policy

Catherine Schwichtenberg reported, on behalf of SSCP Chair Aimee Begalka, that several policies are currently under development and that updates will be provided at future meetings.

11. Senate Standing Committee on Program Review

Catherine Schwichtenberg, on behalf of SSCPR Chair Fergal Callaghan, presented the written report.

12. Senate Standing Committee on Teaching and Learning

Mike Larsen, Chair of SSCTL, presented his written report.

13. Office of the Registrar

13.1. Notice of Election of the Vice-Chair of Senate

Nadia Henwood, Registrar and Secretary of Senate, provided notice that the Vice-Chair election would take place at the April 27, 2026 Senate meeting.

13.2. Spring 2026 Election Report

Registrar Nadia Henwood reported on the results of the Spring 2026 Senate elections, including newly seated faculty, student representatives, and Board of Governors appointees, and noted that some vacancies remain.

14. Items for Discussion

Acting President Diane Purvey acknowledged Aimee Begalka's final Senate meeting, recognized her service and contributions to the University, and extended best wishes on her retirement.

15. Adjournment

The meeting adjourned at 4:55 p.m.

SENATE
Agenda Item:
Meeting Date: April 27, 2026
Presenter: Diane Purvey

President's Report to Senate
Dr. Diane Purvey
April 2026

1. President's Message

Over the coming months, the university will focus on stabilizing its foundation while laying important groundwork for long-term sustainability. KPU is moving forward with urgency, care, and collaboration to address structural challenges and better align programs and services with evolving student and labour market demand. This work will proceed through established governance processes, with an emphasis on strengthening recruitment and retention, improving student pathways, modernizing systems, and sharpening institutional focus.

To help inform and strengthen this work, over the past month, I have engaged with a range of external leaders, including former presidents, chancellors, and key partners, to draw on their perspectives and experience during this period of transition. These conversations have provided valuable context and reinforce the importance of thoughtful decision-making as the institution navigates a period of significant change.

At the same time, continued efforts are underway to mitigate the impacts of workforce reductions wherever possible. As part of these measures, additional faculty educational leaves were recently approved. These leaves have a cascading impact of helping to retain valued faculty expertise while supporting valuable academic and scholarly projects, contributing positively to the institution and our faculty members during a period of transition.

Looking ahead, KPU has a limited opportunity to advance a number of targeted, time-limited initiatives through deferred funds approved by the Ministry of Post-Secondary Education and Future Skills following the 2023 Tech land sale. These funds are restricted to one-time projects in approved areas which include student services, planning, equity, diversity and inclusion, Indigenous initiatives, health and safety, and technology, and cannot be used for ongoing operations or general budget pressures.

Collectively, these initiatives are designed to improve KPU's resilience and readiness for the future, while also providing temporary opportunities to retain some faculty and staff by engaging their expertise on clearly defined, time-limited work.

While the challenges facing the institution remain significant, this combination of focused stabilization efforts, mitigation measures, and carefully scoped investments provides an opportunity to make meaningful progress over the coming months and to leave a stronger foundation for the next President.

2. Student Experience and Supports

2.1 Expanded Support for Student's Basic Needs

Nutrition Month concluded in March, with a full month dedicated to supporting students' nutrition, food security, and overall well-being. Activities included pop-up lunches across KPU campuses and a variety of nutrition education workshops. Following the third successful year of this initiative, KPU has committed to recognizing Nutrition Month annually on an ongoing basis.

In addition, a Grab-and-Go student food pantry has been launched at the Surrey campus through the Peer Resource Centre. Available twice monthly, the pantry is stocked with nutritious, shelf-stable items and improves access to reliable, low-barrier food supports for students. Through our support of students' physical well-being, we enable students to remain focused on their academic goals, contributing to improved retention, progression, and success.

2.2 Enhancements to Student Services

Student Services will begin using artificial intelligence chatbot to strengthen capacity for care and service delivery. Through the adoption of an AI chatbot, students will have access to a self-serve, on-demand option for frequently asked questions, freeing up staff capacity to focus on relationship-building and problem-solving. Implementation is underway, with a Phase 1 launch for Office of the Registrar (OReg) and Student Affairs planned for May, followed by a Phase 2 launch for International and Alumni Affairs in the summer.

As part of ongoing efforts to enhance services to students, the Student Enrolment Services (SES) team has introduced a new drop-in registration support initiative. This service provides students with one-to-one, in-person registration assistance at front-line service points during peak registration periods.

2.3 Collaborative BC effort in recruiting local international students

KPU has been working collaboratively with public universities and colleges across British Columbia to host virtual webinars aimed at engaging on-shore international students and supporting their transition into post-secondary education within the province. Historically, many international students completing Dogwood Diplomas have chosen to pursue studies in other provinces or countries. This initiative seeks to strengthen students' understanding of BC's post-secondary system and provide clarity on the study permit process, helping ensure they feel informed and supported in continuing their education in British Columbia.

2.4 Blended Course Delivery Mode Options

The OReg Scheduling team, in collaboration with Teaching and Learning, consulted Chairs, Associate Deans, Deans, and key university committees to define clear scheduling options for blended course delivery. These options are intended to increase transparency for students, enhance interest in blended sections, and improve utilization of classroom space. The new delivery mode options are now available for the Fall 2026 scheduling cycle.

3. People, Culture, and Operational Initiatives

3.1 Health and Wellness Strategy

An organization-wide Health and Wellness Committee is being formally established, with representation from across the institution, including academic leadership. The committee will support the development, implementation, and evaluation of programs and services aligned with KPU's commitment to the principles and practices of a health-promoting university.

The goal of the committee is to ensure a coordinated, intentional, and integrated approach to health and wellness across the institution, and to collaborate thoughtfully in fostering a campus culture that embeds health promotion into programs, practices, and policies.

Community members are invited to visit the Health and Wellness booth at KPU Day to learn more about this work and to provide input and feedback on the Healthy University Initiative framework, which is currently under review.

3.2 KPU Awards Night

Next month, KPU will host its inaugural Awards Night, bringing together several of the university's employee recognition programs into a single evening dedicated to celebrating excellence across the institution. The event will recognize outstanding contributions in teaching, service, leadership, inclusion, and long-standing dedication to KPU.

At a time of considerable change and uncertainty across the post-secondary sector, Awards Night provides an important opportunity to pause and acknowledge the care, expertise, and commitment that KPU employees bring to their work every day. Whether highly visible or behind the scenes, these contributions shape the student experience and strengthen the communities KPU serves.

This inaugural celebration is both a moment of recognition for award recipients and a broader expression of appreciation for all employees who continue to support one another and sustain KPU's mission.

4. Partnerships and Events

4.1 Pumped for Post-Secondary

KPU is proud to partner with Big Sisters of BC Lower Mainland to offer the Pumped for Post-Secondary mentoring program, connecting local high school students with KPU student mentors. The program supports youth success, leadership development, and confidence while introducing students to post-secondary pathways, campus life, and available supports. This partnership reflects a shared commitment to supporting youth, strengthening pathways to education, and fostering a strong sense of community.

4.2 Anti-Racism Symposium

The Office of Equity and Inclusive Communities recently hosted the fourth annual Anti-Racism Symposium, bringing together students, faculty, staff, and community members for a day of dialogue, learning, and action. Held in alignment with the International Day for the Elimination of Racial Discrimination, the symposium created a dedicated space to confront racism and share

research, lived experiences, and practices that advance equity and inclusion across our institution and in our communities.

This year's symposium, attended by over 200 people, featured a keynote address by Dr. Eniola Salami, who spoke on racism in health care. Drawing on both research and lived experience, Dr. Salami highlighted systemic barriers faced by racialized communities and emphasized the importance of culturally responsive care and institutional accountability. The keynote sparked meaningful dialogue on the role of post-secondary institutions in advancing health equity.

A key highlight of this year's symposium was the launch of KPU's inaugural Black Excellence Awards, recognizing and celebrating Black students, alumni, and employees whose leadership, advocacy, and community impact exemplify the university's commitment to anti-racism and systemic change. These awards elevate and make visible the significant contributions of Black members of the KPU community, while reinforcing ongoing efforts toward equity, belonging, and social justice.

For more information on the award recipients, please read the news release.

The event photo album is also now available.

4.3 Faculty Connect

This year's KPU Day will feature the Faculty Connect Corner, a dedicated space for faculty to gather, network, and exchange perspectives. In addition, a series of Faculty Connect–exclusive workshops has been curated specifically for faculty, focusing on topics relevant to the faculty experience at KPU.

Recognizing that faculty work brings distinct perspectives, challenges, and opportunities, these sessions are designed to support meaningful dialogue, professional learning, and connection among colleagues who share the academic experience. Workshops will be facilitated by both internal and external experts with experience in areas relevant to the faculty journey.

All faculty are encouraged to attend and we would love to see high participation.

Academic Plan 2027 – Academic Year 2025/2026 Highlights[1]

Academic Plan 2027 (AP2027) received Senate approval at the end of September 2024. The need to "plan for the unplanned" was the foundational belief underpinning the development process. Few, however, would have predicted the degree to which the unplanned would transform the environment within which KPU operates. To date, this has been the most challenging time in KPU's existence as a polytechnic university. Changes in the post-secondary landscape driven by both national and international factors have led to precipitous declines in international student enrolment and, therefore, in tuition revenue and operating funds. Artificial intelligence has had a rapid and dramatic impact on the student and faculty experience, and on the workplaces in which our students will find themselves when they leave KPU. Global shifts away from faith in participatory democracy and towards authoritarian solutions continue to reverberate in Canadian classrooms.[2] Overall, this period has been characterized by rapid change, uncertainty and fear, and ongoing upheaval.

No matter how profoundly uncomfortable in the moment, history has shown that change is a constant, and thus the key question will be how effectively KPU responds to this period of transformation. Change brings with it opportunities – to streamline, to develop more effective systems, and to reimagine the ways in which post-secondary education has traditionally been delivered. KPU has a unique opportunity over the next five to eight years, not simply to train students to build better boxes, but rather, to equip them with the skills that would lead them to ask, why are the boxes being built and are there better options?

The idea that post-secondary education must change and adapt in the 21st Century is not a new one. Almost ten years ago Richard Lachman, then associate professor at Toronto Metropolitan University, wrote that scientists alone cannot address the moral questions posed by the technological advancements of the present day. Lachman argued strongly in favour of a STEAM

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[1] This report follows a similar methodology and format to the report submitted to the Provost's Office in March 2025. 31 stakeholders were asked to provide information on key goals in the academic plan. This short report highlights some of the most successful initiatives. A more comprehensive overview of AP2027 goals and outcomes, along with suggested future actions, is provided in a supplemental tracking sheet developed for the Office of the Provost.

[2] A recent Environics poll showed that while 76% of Canadians believe democracy is preferable to any other form of government, only 25% of Conservative voters expressed trust in Canadian elections (22% expressed very low trust); source: Aaron Wherry, CBC News, "What can new polling tell us about the health of Canadian democracy?" Jan 17, 2026 https://www.cbc.ca/news/politics/environics-poll-canada-democracy-analysis-9.7049133 [accessed January 29, 2026]. Civic literacy among young Canadians continues to decline (as does voter turnout for Canadians aged 18-24); sources: ABCLifeLiteracyCanada, "How literacy effects civic engagement," https://abclifeliteracy.ca/news/how-literacy-affects-civic-engagement and Elections Canada, "Voter Turnout by Sex and Age," https://www.elections.ca/content.aspx?section=res&dir=rec/eval/pes2019/vtsa&document=index&lang=e [accessed January 29, 2026].

approach, where the strengths of an Arts education (writ large to include both the Humanities and Social Sciences) enhance the training of students in traditional STEM disciplines.[3] More recently, the STEAM Centre, an education innovation charity, launched iSTEAM in the Ontario K-12 system. Here Indigenous ways of knowing and making are blended with Western approaches to science, technology, engineering, arts, and math. Students benefit from multiple worldviews and develop new ways of thinking about the challenges facing them in the years ahead.[4]

The polytechnic mandate of KPU and its ongoing commitment to decolonization and reconciliation leaves the institution well-positioned to lead an iSTEAM revolution at the post-secondary level. By combining the critical thinking, digital and civic literacy, and communication skills inherent in a KPU Arts degree, with Indigenous ways of knowing, and the technical training gained through the School of Business and the Sciences (again, writ large to include the Health Sciences), a KPU degree, informed in a genuine way by iSTEAM principles, would leave our students uniquely positioned to succeed in a rapidly changing world.

Positioning is one thing, however; achieving this vision will require the institution to navigate multiple, complex challenges, not least of which is the institutional inertia that comes with any large bureaucratic entity. Beyond this, genuine change will require a fundamental rethinking of the way programs and degrees are structured. True interdisciplinarity and indigeneity – as envisioned in an iSTEAM approach – would need to go beyond the addition of one or two courses to an existing program. The core values embodied in KPU's Vision and Academic Plan would need to be meaningfully embedded in every KPU credential. To this end, institutional learning outcomes (ILOs) would establish a strong foundation and ensure that the core values of decolonization and Indigenization, accessibility, anti-racism, sustainability, equity and diversity underlie all of our curricular initiatives. Program and course learning outcomes can readily be revised, but without the anchor of institutional learning outcomes they can often drift away from or struggle to articulate the essential values of the institution.

The initiatives detailed below reflect both progress on the aims of our current academic plan and small steps towards the more ambitious aims discussed above. Despite the great many challenges that this period has presented, the faculty, staff, and administrators at KPU have made substantial progress on many of the goals of AP2027.

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[3] Richard Lachman, "STEAM not STEM: Why scientists need arts training," *The Conversation* January 17, 2018, https://theconversation.com/steam-not-stem-why-scientists-need-arts-training-89788 [accessed November 23, 2025]

[4] SteamCentre, "iSteam: Indigenous Ways of Knowing and STEAM Education," https://steameducation.ca/istream.html [accessed November 23, 2025].

Goal A1. Providing *proactive* supports, including accessibility supports, for all KPU students in our admissions processes and our program pathways, including a comprehensive mental health strategy.

Outcome #1: Create multiple, flexible access pathways AND the supports necessary to ensure student success

- The **Stay the Course** (StC) Pilot Project (Fall 2025-Spring 2026) is a joint retention initiative by the Office of the Provost and the Vice President Students supported by members of the Academic Advising team and the Learning Centre. First-year students with fewer than 9 transfer credits enrolled in a full courseload (9+ credits) receive targeted academic advising, peer mentoring, and specific study skills supports. If a student completes the program requirements and remains enrolled for three additional semesters, they will receive a $700 tuition credit. The fall 2025 cohort enrolled 90 students; 59 new students, and 31 previously approved students, enrolled in the Spring cohort. A Stay the Course Moodle site launched in Spring 2026 to assist students in tracking their progress and connecting with supports across the university: Stay the Course Moodle site. StC also includes a faculty engagement workshop to ensure that best practices in student retention are widely communicated. By curating existing resources in more effective ways, sustainability is built into StC: Stay-the-Course Program Website
- The **Head Start** Program has been developed by Central Advising for students who have been identified as needing additional supports in order to succeed in post-secondary education. A high-touch advising approach provides these students with support prior to registration and then connects with the student throughout their first year. Students receive registration guidance and are introduced to courses and instructors informed by and committed to Universal Design for Learning and Inclusion (UDL) principles: KPU Head Start
- **Access Admissions Category**: a proposed revision to Policy AR2 Admission procedure will create an Access Admissions category whereby students with intellectual, developmental, and/or learning disabilities will be considered for select programs at KPU. An Access Admissions Committee will utilize UDL principles to assess applications and will establish transparent standards for applicant review. The Access category should receive governance approval in time for the Fall 2026 admission cycle. The next phase of this process will be the creation of a supported learning (SL) designation – a clear marker that will allow students to readily identify those instructors and course based on supported learning practices, including UDL. This proposal is currently with the KPU Registrar for comment.

Goal A.4 Expanding mentorship, applied research opportunities, and internships/practica for all KPU students.

Outcome #1: Expand and promote learning initiatives beyond the traditional classroom

- The interdisciplinary **Wild Spaces Project** continues to provide guidance and support on learning beyond the classroom through its WordPress site and community of practice. KPU Wild Spaces foregrounds Indigenous ways of understanding, Wild Spaces promotes learning in place, immersive experiences, and practical responses to the climate crisis. The Wild Spaces team also maintains a resource bank for place-based learning: Wild Spaces WordPress
- The Faculty of Arts is piloting the **First Nations Archaeologists and Land Guardians Mini Field School** in Spring 2026. The program has been developed for First Nations students with field experience and will focus on field methods for land-based learning. The pilot iteration of this mini field school hopes to enrol 15 students: First Nations Archaeologists & Land Guardians

Goal A.5 Facilitating access and developing pathways for mid-career and mature learners

Outcome #2: Expand and make meaningful the connections between the Faculty of Trades and Technology and KPU's other Faculties, including the implementation of academic credit for students in programs governed by SkilledTradesBC

- A Senate-approved **PLAR Trades-to-Undergrad** initiative has been developed in order to facilitate movement between the Trades and KPU's undergraduate programs: PLAR for Vocational Programs. In addition, the Dean of Trades & Technology is building new transitional pathways for Trades students. The Melville School will permit the use of Red Seal certification as an admission option for select post-baccalaureate programs. Preliminary discussions are underway to expand the Including All Citizens Pathway (IACP) to the Trades. Trades Sampler classes continue to be offered to introduce prospective students to the Trades; these are now offered through Continuing and Professional Studies (CPS).

Goal A.5 Facilitating access and developing pathways for mid-career and mature learners

Outcome #3: Increase the use of multiple modalities and alternate program pacing; foreground flexibility and program sustainability

- The Post-Baccalaureate Diploma in Human Resources Management (HRMT) has been redesigned to allow students to complete a **flexible part-time HRMT program**. In

addition, the flexible admissions pathway considers training and work experience as part of the admissions process: HRMT Post-Bacc Flexible Admission Pathway. For the 2025/2026 AY, the Faculty of Arts (Dept. of Psychology) is piloting **inter-generational classrooms** where five seats are reserved for mature learners. In the Faculty of Health innovative enrolment solutions are being used to facilitate student continuation in cohort-based nursing programs. The BPN (Bachelor of Psychiatric Nursing) has introduced a number of online courses to facilitate **program flexibility** and address the challenge of for-profit institutions. The Diploma in Front-End Development for Interactive Applications has been redesigned with a part-time option that includes evening and some hybrid classes. In the Faculty of Arts, the Department of History will be able to offer a fully online B.A. Minor beginning in September 2026.[5]

Goal A6. Expanding innovative program delivery methods that facilitate decolonization and Indigenization

Outcome #3: Build a culture of academic integrity around the principles of reciprocity and respect (derived from Keeta Gladue's Indigenous Academic Integrity Project).

- A **centralized restorative justice website** launched in late February 2026, including KPU-specific applications of restorative justice: A Holistic Approach to Academic Integrity. Restorative Approaches to Academic Integrity (RAAI) is now a featured tab on the Academic Integrity SharePoint site, along with a direct link to the RAAI Moodle course: Restorative Approaches to Academic Integrity Breaches Moodle Course. Faculty workshops include Restorative Justice & Academic Integrity Lunch and Learns, as well as a day-long workshop on restorative approaches – both of initiatives are offered online to facilitate greater access.
- The **Peer Wellness Program** has offered several academic integrity-focused events to students including the Wellness Circuit: Mind, Body, Integrity. An Academic Integrity Student Panel in February 2026 covered academic integrity and GenAI. Pop-up, "Academic Integrity X Library" Booths were on the Surrey and Richmond campuses in early March to connect students to academic integrity student ambassadors.

Goal B.2 Expanding support for research-informed teaching and the scholarship of teaching and learning

Outcome #6: Support and expand cross-Faculty collaborations such as Arts & Design, Design & Business, and inter-Faculty collaborations

[5] This initiative is dependent on the restoration of funding for History's base sections. Absent a return to a base that matches RFC, History will need to concentrate on delivering enough courses to allow students to complete their BA Major program.

- Several KPU Faculties have advanced **inter-Faculty collaborations** over the past few years, including Creative Connections (Arts/Design), a recruitment event showcasing KPU's creative programs including Creative Writing, Design, Entertainment Arts (ENTA), Fine Arts, and Music; Science Rendezvous (Arts/Science), a showcase of KPU STEAM programs; a VR project between ENTA and the Faculty of Health designed to offset a shortage of clinical placements in some programs; Coop 1101 is now open to students in all faculties across the university; and, a Wilson School of Design (WSD)/ENTA collaboration (using Adobe Substance 3D) that is bringing together fashion design and digital media students.

Goal B.3 Expanding access to professional development in key areas including, but not limited to, anti-racism, cultural safety, decolonization and Indigenization, accessibility, and gender and sexual equity

Outcome #2: Develop open resources for the KPU community that support faculty, staff, and administrators in the implementation of the recommendations of the xé?el̓ Pathways Framework, the Anti-Racism Task Force Report, and the Accessibility Plan

- Lindsay Wood, a faculty member in Applied Communications, recently published ***Untold Stories****: Conversations on Inclusion, Belonging, and Accessibility in Classrooms and Workplaces*. This is an Open Educational Resource (Pressbook) available in multiple formats to ensure accessibility. The Pressbook foregrounds the voices of marginalized students and educators, focusing on inclusion, accessibility, and allyship in both the workplace and the classroom: Untold Stories
- The **IACP Critical Disability Pedagogy Open Resource** was also published by KPU Open in 2025. It provides a comprehensive introduction to Critical Disability Pedagogy, including an introduction to key concepts and terminology, classroom resources, published reports, and Indigenous stories about disability: IACP Critical Disability Pedagogy

Goal B.3 Expanding access to professional development in key areas including, but not limited to, anti-racism, cultural safety, decolonization and Indigenization, accessibility, and gender and sexual equity

Outcome #3: Expand, promote, and support professional development opportunities, including those related to anti-racism, cultural safety, decolonization, gender and sexual equity, accessibility, and Indigenization

- **Professional Development opportunities** are now widely available on the key focal areas of AP2027. The Office of Equity and Inclusive Communities (OEIC) has partnered with several external agencies to deliver a series of online workshops including Islamophobia Awareness and Antisemitism Awareness, along with additional anti-racism trainings. OEIC hosted the 4th annual Anti-Racism Symposium on March 23, 2026, featuring a keynote address on racialized medical spaces by Dr Eniola Salami: OEIC Events. KPU RISE (Racialized Identities in Solidarity & Empowerment) has been launched by OEIC to explore issues of racial equity, belonging, and inclusion in the workplace: OEIC Communities of Practice.
- The Teaching & Learning Commons has launched the "**Road Trip to Student Success**" professional development and resource site: Designing for Student Success.
- Faculty from the Wilson School of Design have participated in **Camp Suzuki** at Chá7elkwnech as part of their ongoing professional development.

Goal B.4 Expanding KPU's role as a leader in open education

Outcome #2: Build out open pedagogy and a resource bank to support KPU Open

- Amanda Grey in the Teaching and Learning Commons has recently published the **Open Education Workbook: A Journey Through Accessible, Effective, and Equitable Teaching** to assist faculty who are new to open pedagogy, The resource uses a reflective process to introduce open educational resources and open pedagogical practices and has been published as both a Pressbook Open Education Workbook and an interactive PebblePad workbook: Interactive Workbook

Goal C.1 Expanding opportunities, including global learning opportunities, for learning outside the classroom, in nature, and in simulated practical settings

Outcome #1: Foreground global Indigenous partnerships, exchanges, and remote learning opportunities in all Faculties and programs

- The new **Brazil Field School: Interdisciplinary Community Service in Agroecology** (AY2025/26) provides students with a community service opportunity via the Bahia Peoples' Web (Teia dos Povos da Bahia), a network of Indigenous, Black, landless, and working-class organizations in Northeastern Brazil. Once a centre of slave-produced sugar, Bahia is now one of the major agricultural regions of Brazil. Students will thus be exposed to critical historical legacies alongside the challenges of development in the contemporary world: KPU Brazil Field School
- In addition to the new Brazil field school, **17 new MOUs** have been signed and three additional field schools developed as part of advancing KPU's Global Strategy. Global

Opportunities are now consolidated in a single web location, another goal of AP2027: KPU Global Opportunities

Goal C.1 Expanding opportunities, including global learning opportunities, for learning outside the classroom, in nature, and in simulated practical settings

Outcome #3: Provide work-integrated learning opportunities to all KPU students.

- Building on the experience of ARTS 4800: Arts Practicum, INDS 3800[6] and ARTS 2800 will be developed as **additional practicum courses**, accessible to students in both Arts and Science. Unlike ARTS 4800, where students are matched with pre-selected workplaces and then design their own projects in consultation with their faculty and community supervisor, these new practicum opportunities will feature projects initiated within our communities and students will work in teams to support one another and achieve the goals of the community proponent.
- **Co-op Connect** was launched to facilitate networking among KPU Alumni, Co-op students, and industry. 195 Co-op work placements were secured for the AY 2024-2025: KPU Co-op Connect 2025.
- The Wilson School of Design (WSD) has incorporated **exchange opportunities** into all its programs, Interior Design includes a field school, and six of eight WSD programs include WIL components. WSD students have also benefitted from the School's NSERC Mobilize grant which allowed students to contribute almost 1800 hours to projects funded under the grant. This includes support for projects that have received widespread press coverage such as the Phoenix Clean Air Shelter for Wildland Firefighters, as well as research into the use of recyclable fabric in product design: Evaluating Clean Air Shelters / The Perfect T-Shirt[7]

Goal C.2 Increasing the number and relevance of community and industry partnerships.

Outcome #2. Support the university-wide implementation of program advisory committees (PACs), tracked via a single, readily accessible database.

- The number of PACs has expanded substantially – to 54 as of this report. The Melville School of Business, Wilson School of Design, and the Faculty of Trades & Technology currently have PACs, or PAC equivalents, for each of their active programs. The Faculty

[6] The Registrar's Office has (March 31, 2026) approved the use of the INDS (Interdisciplinary Studies) abbreviation for future courses that cross faculties. As noted in the addendum to the tracking spreadsheet, a staff member/office to coordinate interdisciplinary initiatives and their related requirements would be very useful.

[7] Administrative support for the recyclable fabric project was provided by NSERC Mobilize. The project itself is part of Stephanie Phillips' Sherman Jen Research Chair in Next Generation Design.

of Health is exploring the creation of an Integrated Program Advisory Committee for all KPU Nursing programs. Only 11% of KPU programs report having no PAC in place, or an inactive PAC.[8] A program advisory intake form establishes clear expectations for PAC members and addresses the privacy queries raised in the last reporting period. A new WIL support staff member will be tasked with the creation of a single point of access for all PAC information.

Goal C.6 Developing new community initiatives that support decolonization and Indigenization

Outcome #1: Weave Indigenous ways of knowing, doing, being and becoming in education, personally and professionally within the KPU community (xéʔelɬ Pathway 4) and support the inclusion of oral and visual storytelling in all our courses and community initiatives

- The **Indigenous Entrepreneurship Course (IEC)**, an initiative of the Office of the Provost, was piloted in community, in partnership with Tsawwassen First Nation. 12 learners were enrolled in the pilot iteration of the course (completed May 2025); 10 learners are enrolled in the Spring 2026 iteration. The course is offered as a bargaining unit CPS course and is delivered by an Indigenous faculty member from the Melville School of Business: Indigenous Entrepreneurship Course
- The KPU Library recently, guided by the Indigenous Liaison Librarian, launched the **Indigenous Oral Storytelling Series** to expand student access to the teachings of Indigenous Elders. The library has also created "**Indigenous Storytime Kits**" which feature Indigenous stories and interactive aids. These kits are available both to the KPU community and members of our local communities: Indigenous Oral Stories Series / Indigenous Storytime Series

Goals D.1-4 D.6 Update and Futureproof the Curriculum

Ensuring that the program and curricular development and revision process foregrounds the recommendations of the KPU Accessibility Plan, including anti-ableist pedagogy; Integrating the priorities identified in the xéʔelɬ Pathways Framework into every new and existing program; Applying an anti-racism lens to every new and revised credential and program, guided by the report of the Task Force on Anti-Racism; Ensuring that gender and sexual equity are key considerations in all program and course development and revision;

[8] As reported by the Special Advisor, Work Integrated Learning, March 2026. Several programs have PACs in development at the present time, including the IPAC for KPU Nursing programs.

ensuring that sustainability – environmental, social, and economic – is a guiding principle in the development and revision of all KPU programs

- Rather than include each of the core elements as a separate requirement of program development and program review, programs entering the Quality Assurance stage of program review will be asked to select at least one UNSDG from each of two categories (Environmental Sustainability, and Social Justice, Economic Sustainability, & Health and Wellbeing) during the program review process. The Quality Assurance Plan will detail how these SDGs are to be achieved, and the Action Plan will report out on progress. Guidance and resources on the inclusion of SDGs in Quality Assurance Plans is included in the October 2025 update to the KPU Program Review Quality Assurance Plan Development guide. The recently launched PebblePad UNSDG Workbook will also be useful to programs seeking to include UNSDGs in programs under review: UN Sustainable Development Goals Workbook

SENATE
Agenda Item: 4.3
Meeting Date: Entered by Senate Office
Presenter: Diane Purvey

Report to Senate April 2026
Dr. David Burns
Provost and Vice President, Academic, *pro tem*

Faculty of Health

Pathways of Healing Symposium

On March 14, 2026, the Faculty of Health hosted a Pathways of Healing symposium through our Traditional Chinese Medicine department. The symposium explored connections between Indigenous medicine and Traditional Chinese Medicine, which enabled a dialogue on how ancient healing practices inform modern health and wellness. This event gathered significant interest, with over 100 attendees including a variety of practitioners, scholars, and community leaders.

William Zhu, Sharmen Lee, Mike Archie, Lekeyten, Dr. John Yang, Keith Mathew

BSN and BSN-AE Pinning Ceremonies

On March 18 and 23, 2026, the Faculty of Health hosted two pinning ceremonies to celebrate program completion of our latest BSN and BSN-AE cohorts respectively. The ceremony carried out a centuries-old tradition, where nursing students receive a pin to celebrate their transition from student to practicing professional.

Melville School of Business

2026 Student Pitch Competition

On March 12, 2026, the Melville School of Business hosted the kick-off round of the annual Student Pitch Competition.

Student participants at the Student Pitch Competition

Led by BUSI instructor **Nina Jauernig**, the event brought together 15 student teams from across KPU's various departments and faculties, challenging them to present their ideas before a faculty panel.

Following a competitive round, only eight teams advanced to the final stage of the competition, which is scheduled to be held at the Richmond Conference Center on May 1, 2026.

With ongoing mentorship from faculty, finalists continue to refine their ideas and sharpen their pitches as they compete for up to $5,000 and a place in KPU's growing entrepreneurial community.

Faculty Spotlight: Justin Molander

ACCT instructor, **Justin Molander** continues to bring strong real-world expertise into his teaching across accounting, finance and Canadian income taxation. In March 2026, he joined the Institute of Corporate Directors as a panelist for their conference, "Reconciliation Meets Reality: Housing, Economic Inclusion, and the Board's Role" where he led conversations on advancing Indigenous-led housing and economic reconciliation.
His involvement in national governance discussions reflects the depth of industry experience he brings into the KPU classroom and Melville's commitment to learning led by active practitioners shaping their fields.

Justin Molander

Student Club Event: Konnect 2026

On March 31, 2026, the Melville School of Business, in partnership with the Accounting Students of Kwantlen (ASK) and KPU Career Services, supported Konnect 2026, which is an annal spring recruitment event. The event brought together over 12 industry professionals and recruiters from public practice accounting firms, alongside over 70 students, with additional drop-in attendance throughout the afternoon. Through roundtable discussions and open networking, students connected directly with professionals, gaining the needed insight into the spring recruitment season.

Students interacting with firm representative

Konnect 2026 reflects Melville's ongoing commitment to bridging the gap between classroom learning and career readiness, while creating opportunities for students to build connections, gain confidence and prepare for success in a competitive job market.

Faculty of Trades & Technology

SkillsTrade BC Regional Competition

On March 6, 2026, KPU Tech campus hosted the Skills Canada BC Regional Competition for Lower Fraser Valley. Students from Schools Districts 36 and 37 took part in the Automotive, Carpentry and CADD competitions. The winners will compete in the Provincial competition on April 15, 2026 at TradeX in Abbotsford, BC.

Pop in a Shop

On Thursday March 12, 2026, we welcomed interested future students to Pop in a Shop - Trades Info Session Night. Our instructors were in the shops to raise awareness about our programs and opportunities in the industry. This was followed by a lively and well attended information session in the Boardroom. We would like to acknowledge our instructors and members of the Future Students Office team for making this event a success.

Faculty of Trades and Technology – Utilization Rates

Below are the utilization rates for our Apprenticeship and Foundation programs. We would like to acknowledge our apprenticeship, admissions and recruitment teams for all the coordination, problem solving, and hard work that was necessary to fill these seats.

Program Types	Planned Seats *	Funded Seats	Filled Seats	Utilization Targets *	Utilization Actuals **
Apprenticeship	868	1,075	1,043	83.4%	97.0%
Foundation	432	432	403	94.5%	93.3%
Totals	**1,300**	**1,507**	**1,446**		**96.0%**

Wilson School of Design

Lulu Speaker Series at Wilson School of Design

The Wilson School of Design was proud to once again host the first talk of the Lulu Speaker Series on March 5, 2026. Speakers **Magda Kwaterska** and **Dave Hutch** led the talk "From Industry to Imagination: The Shipyards Transformation" and shared the rich history of North Vancouver's waterfront and the curation of the public spaces that define The Shipyards. The Lulu Speaker Series is organized annually by the City of Richmond and discusses art in the city and its importance to creating connections between citizens and communities.

Design Students Advance at KPU Student Pitch Competition

Two Wilson School of Design students, **Sarah Collister** (Fashion & Technology) and **Sophie Becker** (Technical Apparel Design), participated in Round 1 pitches for the KPU Student Pitch Competition, and succeeded in advancing to the final round, scheduled to take place on May 1, 2026.

Sophie Becker, Dean Andhra Goundrey and Sarah Collister

In Bloom: Rising Women in Leadership

Jasmine Bassi, Ieda Del Bianco, Vanessa Fors, Kim Baird, Amy Robinson, Antonia Iamartino, Zena Mitchell and Natasha Campbell

The In Bloom: Rising Women in Leadership event, held on March 26, 2026, was a resounding success, welcoming close to 90 guests for an engaging and inspiring evening. Sponsored by the KPU Office of Alumni, produced by Fashion Marketing students and moderated by instructor **Natasha Campbell**, the event featured five accomplished female alumni panelists who shared valuable insights and perspectives on leadership and career growth.

Policy and Academic Affairs Team

On March 30, 2026, Senate approved the proposed amendments in the University's English Proficiency Requirements. The English Proficiency Requirements in the University Calendar were amended to support the proposed expansion of the Access applicant category in the AR2 Admission Procedure. The Access applicant category in AR2 Admission Procedure removes existing barriers for students with intellectual, developmental, and/or learning disabilities, so that the students can be considered for admission to select programs at KPU through the Including All Citizens Pathway (IACP). Applicants who apply under the new Access applicant category will be evaluated by a newly established Access Admissions Committee using the principles of Universal Design for Learning and inclusion. The Senate-approved changes to the English Proficiency Requirements, along with the amended AR2 Admission Procedure, will become effective on September 1, 2026.

Beginning in Spring 2025, the Policy and Academic Affairs (PAA) unit reviewed academic progress standards for master's students across B.C. institutions and drafted graduate studies general regulations to establish institution-wide standards for assessing academic progress at KPU. On December 1, 2025, the Graduate Studies Council recommended the draft Graduate Studies General Regulation 4: Academic Progress to Senate for motion. The draft was presented to the Senate Standing Committee on Curriculum (SSCC) on January 7, 2026, after which PAA received questions about the role of a Department Chair. Following a review of regulations and practices at other B.C. institutions, PAA determined that academic departments should decide how they wish to operationalize the review and reporting of academic progress for graduate students in their programs. The revised draft now clarifies criteria for satisfactory progress and outlines a process for addressing unsatisfactory academic progress, incorporating feedback from the January 7, 2026 SSCC meeting. On March 4, 2026, the Graduate Studies Council again moved to recommend the updated draft regulation to Senate for approval. The draft will next be presented to the SSCC on April 8, 2026 for recommendation for Senate approval at its April 27, 2026 meeting. If approved, the regulation will become effective on September 1, 2026.

The Master of Operations and Supply Chain Management degree program proposal is currently undergoing a Stage 2 Degree Program Quality Review. The Degree Quality Assessment Board (DQAB) has appointed a three-person external review panel to lead an in-person site visit, which is scheduled to take place at KPU Richmond on April 9, 2026. The degree proposal is expected to be brought forward to DQAB's June meeting for recommendation to the Minister for final decision.

As required by GV2, the Policy and Academic Affairs (PAA) unit is preparing the President's annual policy report. The report will be presented to Senate and Board at the end of the academic year in June 2026.

Flexible Learning Office

The Flexible Learning Office has collaborated with the Wilson School of Design to implement Rapid Prior Learning Assessment and Recognition (PLAR) as an option for students seeking PLAR assessment for potential elective credits. This initiative primarily supports mature learners who bring significant professional experience, along with prior education and training.

In addition, targeted marketing supports are being provided for select academic programs at KPU where PLAR is implemented to enhance recruitment and retention of mature learners with relevant industry experience.

Beyond its current partnerships, the Flexible Learning Office is seeking to establish more strategic partnerships this year to support enrolment growth at KPU, with a focus on expanding access to academic programs.

Work Integrated Learning Team

Special Advisor, Strategic Initiatives, Work-Integrated Learning
Dr. Larissa Petrillo

The Summer Service Learning Assistants are in the process of getting set up for this coming term, when they will start assisting with new Work-Integrated Learning initiatives. These paid student leaders help faculty members develop WIL opportunities for KPU students. This term, we have new SLAs in Health Sciences, Anthropology, Criminology and Political Science.

The SLAs will each be helping to:

- revamp a Practicum course
- set up a field school
- create dialogue sessions for new partners; and,
- examine the course structures for the program as a whole

For any questions about Work-Integrated Learning or Service Learning Assistants at KPU, please reach out to Larissa.Petrillo@kpu.ca

Including All Citizens Team

Lead Advisor on Disability, Accessibility and Inclusion
Dr. Fiona Whittington-Walsh

In addition to the work that supports Including All Citizens Pathway (IACP) directly, including:

- organizing interviews for the new student applicants
- organizing interviews for two new instructors
- ed planning and scheduling
- mentoring new and continuing instructors
- supporting current and potential students.

I have been busy engaging in additional systems wide transformation including the following:

Key Highlights:

1. **Inclusion in the Trades**: In partnership with Community partners Community Living BC (CLBC), UNITI, and Skills Trades BC on designing a pilot to bring IACP into the Faculty of Trades at KPU.
    - Working with a KPU internal steering committee in the Faculty of Trades for the IACthe Trades pilot.

2. **Inclusion in Design:** With Dean **Andhra Goundrey**, Faculty of Design, submitted request for funding a two-year IACP pilot on Foundations in Design Program.

3. **Disability Justice, Global Leadership Micro-Credential:** Collaboration with **Ellen Pond**, Policy Studies, and **Dr. Jennifer Hardwick**, English.

The credential will enhance IACP's reach by offering flexible course delivery including online and in-person and laddering into additional IACP courses/programs across the university.

- Continued to work on a digital badge to be offered in addition to the credential.

4. **New IACP Admissions Category**: with the Registrar. On March 30, 2026, Senate approved the revisions to the University's English Proficiency Requirements, a key aspect to the new Access applicant category, to take effect September 1, 2026.

5. **IACP Model: Transforming Post-Secondary System:** Started working with the newly created expert working group to support the articulation and research component of the IACP as *the* Model for Inclusive Post-Secondary Education. In addition to KPU partners, external experts include **Dr. Michael Bach**, New Society Institute and internally renown scholar on inclusion and intellectual disability and **Dr. Rheanna Robinson**, Indigenous Scholar on Indigenous Disability.

6. **Social Justice Design Charette**: with **Dr. Fabricio Telo**, sociology, and **Simon Driver**, EACS. The design charette has brought together students, faculty, and several community members to discuss and propose action items regarding social isolation and the toxic drug crisis. We will be presenting our work on April 14, 2026 in the Maple Atrium, to recognize the tenth anniversary of the province declaring the toxic drug crisis a public health emergency.

7. Continued work on various internal and external committees including:
    - New Society Institute, vice-chair of the Board of Directors
    - Co-Chair, KPU Accessibility Committee
    - Committee Member, KPU Accessibility Consultation Committee
    - Steering Committee, Accessibility Network, BC Government Post-Secondary Future Skills

PEOPLE

Office of the Provost

Dr. Diane Purvey has been appointed President and Vice-Chancellor, *pro tem* effective March 26, 2026.

Dr. David Burns has been appointed Provost and Vice President, Academic, *pro tem*, also effective March 26, 2026.

On April 7, 2026, Dr. Amy Jeon was appointed Associate Vice President, Academic, *pro tem*, as well as Dean of Graduate Studies, *pro tem.*

Faculty of Academic and Career Preparation

Effective March 31, 2026, Aimee Begalka has retired from the position of Dean, Faculty of Academic and Career Preparation

Dr. Rob McTavish has been appointed Dean, *pro tem,* effective April 1, 2026.

NOTABLE MEETINGS AND EVENTS ATTENDED BY THE PROVOST'S OFFICE

- Attended the Pacific Association of Canadian Institutes and Universities Presidents meeting at British Columbia Institute of Technology (BCIT), Vancouver, on March 19, 2026
- On March 23, 2026, participated in the Anti-Racism Symposium event, presented by the Office of Equity and Inclusive Communities
- Hosted a lunch with the Richmond Chamber of Commerce in Richmond, BC on March 30, 2026
- On March 31, 2026, participated in the Surrey Board of Trade Roundtable in Vancouver, BC

TIME RELEASES

TIME RELEASES - SPRING 2026			
Faculty	**Title of Release**	**No. of Releases**	**Incumbent Name**
Faculty of Arts	Academic Integrity & Restorative Justice	2	Alana Abramson
Melville School of Business	Chairs Circle Support	1	Lindsay Clayton
Faculty of Arts	Chairs Circle Support	1	Christina Behme
Faculty of Arts	Climate+ Challenge Fellow	1	Allison Hotti
Faculty of Science	Continuation of Wellness Report	1	Cayley Velazquez
Melville School of Business	HRMT Post-Bac Program Review & Self Study Report	1	Monica Affleck
Faculty of Arts	IACP - Foundations in Supported Learning: English	1	Jen Hardwick
Melville School of Business	Masters in OSCM Work	1	Mike Ford
Melville School of Business	UNSDG Project Continuation	1	Christina Shorthouse
Faculty of Science	Faculty Engagement in Research Program	1	Christian Lange
Melville School of Business	Faculty Engagement in Research Program	1	Hao Ma
Faculty of Science	Faculty Engagement in Research Program	1	Mika Mokkonen

KWANTLEN POLYTECHNIC UNIVERSITY
Senate

SENATE
Agenda Number: *5*
Meeting Date: *Monday, April 27, 2026*
Presenter(s): *Catherine Schwichtenberg*

Chair's Report to Senate
Senate Standing Committee on Curriculum
April 8, 2026

The Senate Standing Committee on Curriculum met on Teams on April 8, 2026, and reviewed course submissions, program revisions, and a proposed amendment to Graduate Studies regulations. The Committee recommended approval of all the items coming to Senate today. There was good discussion of some of the operations behind CIM courses related to Date of Review and Reviewer Names. The registrar's office will be bringing information to a future SSCC meeting. The program Revisions were each explained by their proponent. All motions were approved unanimously.

- Minor in Music
- Minor in Economics
- Diploma in Brewing and Brewery Operations
- Diploma in Engineering
- Bachelor of Science – Biology and Health Science Programs
- Mathematics Programs - Associate of Science in Mathematics, and Minor in Mathematics
- Bachelor of Science, Major and Honours in Mathematics

The Committee also re-examined Graduate Studies General Regulation 4: *Academic Progress* after its recommendation to Senate in March, when it became apparent that there were inconsistencies with other institutional practices and that the regulation could unintentionally create a barrier. The regulations did not go to Senate, instead new revisions were provided to SSCC. The revised version clarifies departmental responsibilities for monitoring academic progress and aligns institutional practice with sector standards. The revisions were approved unanimously for submission to Senate.

Respectfully

Catherine Schwichtenberg

KWANTLEN POLYTECHNIC UNIVERSITY
Senate

SENATE
Agenda Number: *5.1*
Meeting Date: *Monday, April 27, 2026*
Presenter(s): *Catherine Schwichtenberg*

AGENDA TITLE: APRIL 2026 NEW AND REVISED COURSE SUBMISSIONS

ACTION REQUESTED: Motion

RECOMMENDED RESOLUTION

THAT Senate approve the attached list of new and revised courses.

COMMITTEE REPORT

On April 8, 2026, THAT the Senate Standing Committee on Curriculum recommend that Senate approve the attached list of new and revised courses.

Attachments

1. April 2026 Course Submissions

Submitted by

Michelle Molnar, Administrative Coordinator, University Senate

Date submitted

April 10, 2026

Senate Standing Committee on Curriculum
April 8, 2026

Faculty	Department	Course Subject Code	Course Number	Course Title (insert hyperlink in this column)	Implementation Date (Enter as text)	Category
Arts	Creative Writing	CRWR	1100	Introduction to Creative Writing	9/1/2026	Revised
Arts	Creative Writing	CRWR	1200	Instruction to Craft and Process in Creative Writing	9/1/2026	Revised
Arts	Creative Writing	CRWR	1240	New Forms and media: Networked Narratives	9/1/2026	Revised
Arts	Music	MUSI	1151	Aural Musicianship I	9/1/2026	Revised
Arts	Music	MUSI	1154	Keyboard Skills I	9/1/2026	Revised
Science	Biology	BIOL	4235	Marine Biology	9/1/2026	Revised
Science	Math	MATH	3130	Introduction to the Mathematics Classroom	9/1/2026	Revised
Science	Math	MATH	3450	History of Mathematics	9/1/2026	Revised
Science	Math	MATH	4130	Theory of Mathematics Education	9/1/2026	Revised
Science	Horticulture	HORT	1232	Sports Turf Management Practices	9/1/2026	Revised
Science	Horticulture	HORT	2302	Horticulture Work Experience	9/1/2026	Revised
Science	Horticulture	HORT	2306	Work Experience Report	9/1/2026	Revised
Science	Horticulture	HORT	2330	Turfgrass and Environmental Stress	9/1/2026	Revised
Science	Horticulture	HORT	2332	Environmental Turf Management	9/1/2026	Revised
Science	Horticulture	HORT	2334	Irrigation, Drainage and Lighting	9/1/2026	Revised
Science	Horticulture	HORT	2335	Sports Turf Management Practices	9/1/2026	Revised
Science	Horticulture	HORT	2412	Landscape Estimating and Contract Administration	9/1/2026	Revised
Science	Horticulture	HORT	2427	Sustainable Landscape Design II	9/1/2026	Revised
Science	Horticulture	HORT	2436	Golf Course Management	9/1/2026	Revised
Science	Horticulture	HORT	2437	Golf Course Irrigation Systems, Designs, And Operations	9/1/2026	Revised
Science	Horticulture	HORT	2473	Greenhouse Climate Control	9/1/2026	Revised
Science	Horticulture	HORT	2493	Crop Production Development	9/1/2026	Revised
Business	Business	BUSI/ENTR	2110	Values, Rationality, and Power: Developing Wise Organizational Action	9/1/2026	Revised
Business	Business	BUSI	2465	Negotiation Skills	9/1/2026	Revised
Business	Computer Business Systems	CBSY	1120	Work Smarter with Artificial Intelligence	9/1/2026	New

KWANTLEN POLYTECHNIC UNIVERSITY
Senate

SENATE
Agenda Number: *5.2*
Meeting Date: *Monday, April 27, 2026*
Presenter(s): *Catherine Schwichtenberg*

AGENDA TITLE: GRADUATE STUDIES GENERAL REGULATION 4: ACADEMIC PROGRESS

ACTION REQUESTED: Motion

RECOMMENDED RESOLUTION

THAT Senate approve Graduate Studies General Regulation 4: Academic Progress, effective September 1, 2026.

COMMITTEE REPORT

On April 8, 2026, the Senate Standing Committee on Curriculum recommend that Senate approve Graduate Studies General Regulation 4: Academic Progress, effective September 1, 2026.

Context and Background

In spring 2025, the Policy and Academic Affairs (PAA) unit reviewed standards for assessing academic progress specifically for students in master's degrees across post-secondary institutions in B.C. PAA subsequently drafted General Regulation 4 (attached). The proposed draft regulation establishes institution-wide standards on assessing academic progress for future master's students at KPU.

On December 1, 2025, the Graduate Studies Council passed a motion to recommend the draft Graduate Studies General Regulation 4: Academic Progress to the Senate for approval. The draft was later presented at the Senate Standing Committee on Curriculum (SSCC) on January 7, 2026. At that meeting, SSCC passed a motion to recommend the draft regulation to the Senate for approval.

After the January 7th SSCC meeting, PAA received additional questions regarding the role of the Department Chair in the draft regulation. As a result, PAA further examined best practices from other B.C. post-secondary institutions, and upon further research and consultations, it was determined that it should be the Academic Department's decision as to how they wish to operationalize the review and reporting of academic progress for their graduate students. This provides greater flexibility to the Academic Department, and it is in line with best practices at other B.C. post-secondary institutions, whereby the responsibility rests with the graduate program committee (similar to a program committee/academic department).

Key Messages

1. The draft regulation establishes institution-wide standards on academic progress for future master's students at KPU. It proposes a set of criteria for meeting satisfactory academic progress in master's degree programs at KPU, and includes a review process for unsatisfactory progress.
2. The draft regulation reflects feedback received after the January 7th SSCC meeting.
3. On March 4, 2026, the Graduate Studies Council moved that the draft regulation be recommended to the Senate for approval.

Resource Requirements

Administrative and governance support from Policy and Academic Affairs.

Implications/Risks

Without a regulation and the appropriate structures in place, there will be a lack of ongoing academic support to ensure that future master's students have the necessary resources and tools to progress and succeed in their graduate studies journey at KPU.

Consultations

1. Graduate Studies Council
2. Senate Standing Committee on Curriculum
3. Nadia Henwood, Associate Vice President, Enrolment Services and University Registrar
4. Office of the Registrar
5. VPA Deans

Attachments

1. General Regulation 4. Academic Progress

Submitted by

Michelle Molnar, Administrative Coordinator, University Senate

Date submitted

April 9, 2026

KPU | KWANTLEN POLYTECHNIC UNIVERSITY

Faculty of Graduate Studies
General Regulations

Regulation Details

Name: Academic Progress

Number: 4.

Date of Implementation: September 1, 2026

Approving Jurisdiction: Senate

Administrative Responsibility: Graduate Studies Council

4.1 Review of Academic Progress

The academic progress of all graduate students will be reviewed regularly by the Graduate Guide to ensure that the students are making successful progress toward obtaining a graduate degree at KPU. In instances where a Graduate Guide is not appointed for the graduate student, a faculty member identified by the Academic Department of the program ~~the Department Chair~~ will be responsible for the review of a graduate student's academic progress. In accordance with Policy GV9 *Establishment and/or Discontinuance of Faculties and Departments,* an Academic Department is defined as an educational administrative sub-unit of a Faculty and/or School within a University ~~,~~dealing with a particular field of knowledge.

A formal review on a graduate student's academic progress is normally done once a year, with informal reviews recommended to be done once every two semesters. Graduate Guides will submit a formal report on the student's progress to the ~~Department Chair~~Dean or designate of the disciplinary Faculty at least once a year.

A graduate student must meet all of the following expectations to be deemed as maintaining satisfactory academic progress in their graduate program:

~~4~~3.1.1 Maintain a minimum program GPA of 3.00 or higher for every term in which they are registered.

~~4~~3.1.2 Complete all coursework and capstone, project or thesis (where applicable) within the time limit of the graduate program.

~~4~~3.1.3 Meet all written milestones and expectations, which include maintaining regular and timely communication agreed upon by both the graduate student and their Graduate Guide.

DRAFT

43.1.4 Comply with all graduate studies general regulations and applicable institutional policies.

4.1.5 3.1.5 Meet all other additional requirements as established by individual programs.

4.2 Unsatisfactory Academic Progress

If a student's progress appears to be unsatisfactory, the Graduate Guide will make a written report to the Dean or designate of the disciplinary Faculty and provide a copy to the Academic Department, the Department Chair, the student, and the Dean of the Faculty of Graduate Studies (FGS). The Dean or designate of the disciplinary Faculty will meet with the student concerned and/or consider any relevant material submitted by the student. After thorough examination of all aspects of the student's program, the Dean or designate of the disciplinary Faculty must make one of the three decisions below and inform the student and the Dean of FGS in writing:

4.2.1 The student's progress is assessed as satisfactory despite the report from the Graduate GuideDepartment Chair. The Dean or designate of the disciplinary Faculty will meet with the Graduate Guide and/or the Department Chair to review the areas of concern. This decision is unavailable if the student's program GPA is below the minimum required for continuation and graduation.

4.2.2 The student's progress is assessed as unsatisfactory, and a remediation plan will be developed by the Graduate Guide and/or the Department Chair, in consultation with the student.

4.2.3 The student's progress is assessed as unsatisfactory, and the student is required to withdraw from the program. The Dean or designate of the disciplinary Faculty will inform the Dean of the FGS, who will notify the Office of the Registrar to withdraw the student from the program.

KPU | KWANTLEN POLYTECHNIC UNIVERSITY

Faculty of Graduate Studies
General Regulations

Regulation Details

Name: Academic Progress

Number: 4.

Date of Implementation: September 1, 2026

Approving Jurisdiction: Senate

Administrative Responsibility: Graduate Studies Council

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4.1.2 Complete all coursework and capstone, project or thesis (where applicable) within the time limit of the graduate program.

4.1.3 Meet all written milestones and expectations, which include maintaining regular and timely communication agreed upon by both the graduate student and their Graduate Guide.

DRAFT

4.1.4 Comply with all graduate studies general regulations and applicable institutional policies.

4.1.5 Meet all other additional requirements as established by individual programs.

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If a student's progress appears to be unsatisfactory, the Graduate Guide will make a written report to the Dean or designate of the disciplinary Faculty and provide a copy to the Academic Department, the student, and the Dean of the Faculty of Graduate Studies (FGS). The Dean or designate of the disciplinary Faculty will meet with the student concerned and/or consider any relevant material submitted by the student. After thorough examination of all aspects of the student's program, the Dean or designate of the disciplinary Faculty must make one of the three decisions below and inform the student and the Dean of FGS in writing:

4.2.1 The student's progress is assessed as satisfactory despite the report from the Graduate Guide. The Dean or designate of the disciplinary Faculty will meet with the Graduate Guide to review the areas of concern. This decision is unavailable if the student's program GPA is below the minimum required for continuation and graduation.

4.2.2 The student's progress is assessed as unsatisfactory, and a remediation plan will be developed by the Graduate Guide, in consultation with the student.

4.2.3 The student's progress is assessed as unsatisfactory, and the student is required to withdraw from the program. The Dean or designate of the disciplinary Faculty will inform the Dean of the FGS, who will notify the Office of the Registrar to withdraw the student from the program.

DRAFT

KWANTLEN POLYTECHNIC UNIVERSITY
Senate

SENATE
Agenda Number: *5.3.1*
Meeting Date: *Monday, April 27, 2026*
Presenter(s): *Catherine Schwichtenberg*

AGENDA TITLE: PROGRAM REVISION: MINOR IN MUSIC

ACTION REQUESTED: Motion

RECOMMENDED RESOLUTION

That Senate approve the revisions to the Minor in Music program and associated courses, effective September 1, 2026.

COMMITTEE REPORT

On April 8, 2026, the Standing Committee on Curriculum recommend that Senate approve the revisions to the Minor in Music program and associated courses, effective September 1, 2026.

Arts Standing Committee on Academic Planning and Priorities March 16, 2026

Arts Standing Committee on Curriculum March 19, 2026

Arts Faculty Council March 20, 2026

Reason for Revision

As per the Procedures of AC10, program revisions at KPU begin either 1) as actions arising from an approved Quality Assurance Plan developed through the program review process or 2) in response to specific issues whose solution cannot be delayed until a Program Review.

Please indicate which the reason for the revision

☐ Arising from an approved Quality Assurance Plan Indication date of approval

☒ Other issue Courses advertised as part of the Minor were not included in the original approved course requirements.

Context and Background

Many students take MUSI 1113 and MUSI 3512 out of interest and want to continue into the Minor, but these courses were not originally part of the list of courses that count towards the Minor course requirements. The Music department proposes adding these courses to the pick list of lower- and upper-level courses, respectively. In addition, the discontinuance of the Bachelor of Music in Musical Arts means that certain courses include in the Minor needed to revise their pre-requisites.

Key Messages

1. Add MUSI 1113 and 3512 to the required course options
2. Course revisions to courses to update pre-requisites and attributes

Consultations

1. Meredith Laird and Virginia Vandenberg, Curricular Support Unit
2. Catherine Schwichtenberg, Vice-Chair Senate

Attachments

1. MNR_AR_MUSI: Minor in Music
2. MUSI 1113: Introduction to the Music Industry
3. MUSI 3512: The Business of Music
4. MUSI 3602: Applied Desktop Recording
5. MUSI 3653: World Music
6. MUSI 4602: Music Video Production

Submitted by

Michelle Molnar, Administrative Coordinator, University Senate

Date submitted

April 9, 2026

Michelle Molnar (Michelle.Molnar) (2026-04-08T22:01:37Z): As approved at SSCC, remove the following statement from the Curricular Requirements "Students must achieve a minimum grade of C in all required courses."

Determination of new degree?

No

Overview

Status

Revision

Program proposal contact(s)

Gordon Cobb

Calendar year edition

2026-2027

Overview of proposed changes

	Proposed Changes	Rationale
1	Add MUSI 1113 to the lower level course list and MUSI 3512 to the upper level course list	Marketing material promoting the minor include courses not originally included in the Senate-approved program. This change gives students more options for courses within the minor.

Requirements

Admission Requirements

Students pursuing a Minor in Music must be admitted to KPU for undergraduate studies.

Declaration Requirements

Students pursuing this minor must declare their intention prior to graduation. A minor may only be declared as part of a bachelor's degree.

Curricular Requirements

~~Students must achieve a minimum grade of C in all required courses.~~ The Music Minor requires completion of twenty-four (24) credits as follows:

Code	Title	Credits
Lower Level		
Select 12 credits from the following:		12
MUSI 1111	Introduction to Popular Music	
MUSI 1113	Introduction to the Music Industry Revised Course	
MUSI 1114	Introduction to World Music	
MUSI 1130	Music Technology I	
MUSI 2020	Drum Jam Revised Course	
MUSI 2130	Music Technology II	
Upper Level		
Select 12 credits from the following:		12
MUSI 3500	Special Topics Revised Course	
MUSI 3512	The Business of Music Revised Course	
MUSI 3602	Applied Desktop Recording Revised Course	
MUSI 3653	World Music Revised Course	
MUSI 4602	Music Video Production Revised Course	
Total Credits		**24**

Credential Awarded

Upon successful completion of the minor as part of a bachelor's degree program, transcripts will indicate a **Minor in Music.**

Program Learning Outcomes

	A student who successfully completes the program will have reliably demonstrated the ability to:
1	Analyze the individual components of music from perspective of global cultures
2	Play music from global cultures in order to develop an embodied understanding of cultural identity
3	Perform live music in order to connect with live audiences
4	Construct audio compositions and products using computers and digital audio workstations (DAWs)
5	Construct video products using video editing software and apps
6	Collaborate with students from other disciplines to develop successful professional working relationships
7	Develop appropriate business skills in the fields of marketing, promotions, and public relations as it relates to the music industry
8	Collaborate as part of a team to develop KPU events and music festivals

Transition plan

N/A

The following information will help determine whether there is a budgetary impact to the proposed program changes, and what additional information and consultation will be required. Please note that all additional budgetary requests in support of the proposed program change require approval from the Dean and the Provost, and additional financial documents may be required.

The information supplied is for administrative purposes only and will not be visible to reviewers in the academic governance process (e.g., Faculty and Senate committee members).

Change in space requirements?

No

Change in equipment requirements?

No

Change in support requirements?

No

Abstract

Degree or non-degree program

Non-Degree

Academic level

Undergraduate

Faculty

Arts

Department

Music

Program name

Minor in Music

Program Code

MNR_AR_MUSI

Program description

The Minor in Music provides students with a grounding in contemporary practices, and caters to those interested in expressive cultural traditions from across the globe, including popular music and world music. It features an open and inclusive approach to the study of music that embraces broad perspectives on materials, context, and presentation, and uses contemporary digital technologies to develop an understanding of music creation and performance. This minor may be applied towards any KPU bachelor's degree.

Implementation date
September 2026

Proposed Program Overview

Program Structure & Delivery

Date for next review
September 2031

Will this program include a co-operative education option?
No

Discipline and Program Description

Course Delivery Options

Program Delivery Options

Information for Competitive Assessment

Information for Student Demand Assessment

Information for Labour Market Assessment

Financial Assessment Background Questions

Supplementary Documents

Curriculum Map and Program Learning Outcomes
MUSI Curriculum Map Template - Minor Music_March 9, 2026.xlsx

Key: 85

KWANTLEN POLYTECHNIC UNIVERSITY
Senate

SENATE
Agenda Number: *5.3.2*
Meeting Date: *Monday, April 27, 2026*
Presenter(s): *Catherine Schwichtenberg*

AGENDA TITLE: PROGRAM REVISION: MINOR IN ECONOMICS

ACTION REQUESTED: Motion

RECOMMENDED RESOLUTION:

THAT Senate approve the changes to the Minor in Economics program, effective September 1, 2026.

COMMITTEE REPORT

On April 8, 2026, THAT the Senate Standing Committee on Curriculum recommend that Senate approve the changes to the Minor in Economics program, effective September 1, 2026.

Approved by the Melville School of Business Curriculum Committee on March 9, 2026.

Approved by the Melville School of Business Faculty Council on March 23, 2026.

Context and Background

This program change proposal modernizes the Minor in Economics by concentrating the program's upper-level coursework (12 credits at the 3000 level or above, instead of 15 credits). The revision streamlines the Minor to support interdisciplinary study, timely graduation, and student retention.

The proposal is to change the requirements as follows: "Select at least 12 credits from courses in ECON or FNSR at the 3000 level or higher."

As part of the revision, ECON 1110 is removed from the Minor course list to maintain appropriate prerequisites for students entering upper-level courses, and a program description is updated.

The revised structure supports student success in several ways:

Improved Time-to-Completion
A focused 12-credit minor reduces scheduling barriers and supports on-time graduation, particularly for students in structured programs in the School of Business and the Faculty of Arts.

Enhanced Interdisciplinary Access

Students across various Majors can integrate advanced economic analysis into their primary program without overextending their credit load.

Clearer Value Proposition
With its well-structured upper-level coursework, the Minor signals advanced analytical training rather than introductory exposure.

Retention and Completion
Streamlined Minors can improve declaration rates and completion rates, strengthening overall program viability.

Key Messages

1. Revise the Minor in Economics to require 12 credits at the 3000 level or above.
2. Revising the specific requirement for 3 credits of ECON at the 4000 level allows students flexibility in choosing their upper-level options from the 3000 and 4000 level ECON and FNSR courses and provides students with multiple upper-level pathways to completion and ability to determine their own disciplinary focus.

Consultations

3. Alia Somji, Dean *pro tem*, Melville School of Business
4. Virginia Vandenberg, Program Development Specialist, Office of the Provost
5. Krista Gerlich-Fitzgerald, Associate Registrar, Records, Curriculum and Graduation
6. The MSB Curriculum Committee
7. The MSB Faculty Council

Resource Requirements

No additional resources or faculty workload are required. The proposal does not introduce new courses and does not change existing course content. The revision is expected to improve student accessibility and completion by reducing structural barriers in the current Minor requirements.

Attachments

- MNR_AR_ECON: Minor in Economics

Submitted by

Michelle Molnar, Administrative Coordinator, University Senate

Date submitted:

April 10, 2026

Calendar year edition

2026-2027 ~~2025-2026~~

Overview of proposed changes

	Proposed Changes	Rationale
1	Student Success Initiative: Modernizing the Minor in Economics Overview This proposal modernizes the Minor in Economics by concentrating the program upper-level coursework (12 credits at the 3000 level or above, instead of 15 credits). The revision streamlines the Minor to support interdisciplinary study, timely graduation, and student retention. Proposal to change the requirements as follows: "Select at least 12 credits from courses in ECON or FNSR at the 3000 or 4000 level." Revising the specific requirement for 3 credits of ECON at the 4000 level allows students flexibility in choosing their upper level options from the 3000 and 4000 level ECON and FNSR courses and provides students with multiple upper-level pathways to completion and ability to determine their own disciplinary focus.	Student Success Rationale The revised structure supports student success in several ways: Improved Time-to-Completion A focused 12-credit minor reduces scheduling barriers and supports on-time graduation, particularly for students in structured programs in the School of Business and the Faculty of Arts. Enhanced Interdisciplinary Access Students across various Majors can integrate advanced economic analysis into their primary program without overextending their credit load. Clearer Value Proposition With its well-structured upper-level coursework, the Minor signals advanced analytical training rather than introductory exposure. Retention and Completion Streamlined Minors can improve declaration rates and completion rates, strengthening overall program viability.
2	Remove ECON 1110	Support completion rates

Requirements

Admission Requirements

Students pursuing a Minor in Economics must be admitted to KPU for undergraduate studies.

Declaration Requirements

Students pursuing this minor must declare their intention prior to graduation. A minor may only be declared as part of a bachelor's degree.

Curricular Requirements

Code	Title	Credits
Core Requirements		
ECON 1150	Principles of Microeconomics	3
ECON 1250	Principles of Macroeconomics	3
1000-2000 Level		
Select 6 credits from the following:		6
~~ECON 1110~~	~~Making Economic Sense of Life~~	
ECON 2210	Money and Banking	
ECON 2255	International Trade	
ECON 2260	Environmental Economics	
ECON 2280	Labour Economics	
ECON 2350	Intermediate Microeconomics	
3000-4000 Level		
~~Select at least 12 credits from courses in ECON or FNSR at the 3000 or 4000 level, and 3 credits from ECON courses at the 4000 level~~		~~15~~

Select 12 credits from courses in ECON or FNSR at the 3000 level or higher	12
Total Credits	**24**

Credential Awarded

Upon successful completion of the minor as part of a bachelor's degree program, transcripts will indicate a **Minor in Economics**.

Program Learning Outcomes

	A student who successfully completes the program will have reliably demonstrated the ability to:
1	Critically analyze and evaluate economic theories and critique their ability to explain observed economic outcomes.
2	Identify and critically evaluate sources of economic information and opinion, and debate policy issues in an informed way.
3	Identify, critically analyze and solve economic problems related to business, behaviour, or policy.
4	Use economic models and theories to predict the effects of changes in market forces/ government actions.
5	Apply quantitative models to value various economic variables and assets.
6	Apply knowledge of different market structures to inform business decisions related to cost theory, pricing and business.
7	Facilitate critical and informative discussion of economic issues, either in a formal business setting or in a more general and casual setting.
8	Research, write, and present term papers or projects, individually and collaboratively, in a relevant field of economics.

The following information will help determine whether there is a budgetary impact to the proposed program changes, and what additional information and consultation will be required. Please note that all additional budgetary requests in support of the proposed program change require approval from the Dean and the Provost, and additional financial documents may be required.

The information supplied is for administrative purposes only and will not be visible to reviewers in the academic governance process (e.g., Faculty and Senate committee members).

Change in space requirements?

No

Change in equipment requirements?

No

Change in support requirements?

No

Abstract

Degree or non-degree program

Non-Degree

Academic level

Undergraduate

Faculty

Business

Department

Economics

Program name

Minor in Economics

Program Code

MNR_AR_ECON

Program description

The Minor in Economics is intentionally designed as a high-impact complement to other degrees. Unlike a Major, it is focused, flexible, and skill-intensive.
Students gain strong quantitative and analytical skills without extending their degree timeline when they plan early.
Key distinguishing features:
• Emphasis on data literacy and analytical reasoning
• Zero Textbook Cost options in many courses
• Applied learning using real-world economic data and AI
• Frequent classroom engagement with industry professionals
• Small-class environments that encourage discussion and presentation skills
The Minor allows students to add formal economic training to degrees in Business, Science, Arts, Social Sciences, and beyond — strengthening both employability and graduate school readiness. ~~The BA Minor in Economics provides students with a solid understanding of economic principles as well as analytical and problem-solving skills. Training in Economics is an excellent foundation for students who wish to go on to complete advanced professional degrees such as law, community development, or business.~~

~~The study of Economics prepares students for careers in banking, financial advising and analysis, stock brokering, journalism, real estate, insurance, international trade and diplomacy, teaching, and all levels of government careers.~~

Implementation date

September 1, 2026 ~~2025~~

Proposed Program Overview

Program Structure & Delivery

Date for next review

September 2030

Will this program include a co-operative education option?

No

Discipline and Program Description

Course Delivery Options

Program Delivery Options

Information for Competitive Assessment

Information for Student Demand Assessment

Information for Labour Market Assessment

Supplementary Documents

Curriculum Map and Program Learning Outcomes

ECON Minor Curriculum Map.pdf

Other documents

~~determination_of_new_degree_2025 revision Minor in Economics.docx~~

Key: 77

KWANTLEN POLYTECHNIC UNIVERSITY
Senate

SENATE
Agenda Number: *5.3.3*
Meeting Date: *Monday, April 27, 2026*
Presenter(s): *Catherine Schwichtenberg*

AGENDA TITLE: PROGRAM REVISION: DIPLOMA IN BREWING AND BREWERY OPERATIONS

ACTION REQUESTED: Motion

RECOMMENDED RESOLUTION

THAT Senate approve the admissions changes to the Diploma in Brewing and Brewery Operations program, effective September 1, 2027.

COMMITTEE REPORT

On April 8, 2026, the Senate Standing Committee on Curriculum recommended that Senate approve the admissions changes to the Diploma in Brewing and Brewery Operations program, effective September 1, 2027.

Approved by the Faculty of Science Curriculum Committee on March 5, 2026.

Approved by the Faculty of Science Faculty Council on March 17, 2026.

Reason for Revision

As per the Procedures of AC10, program revisions at KPU begin either 1) as actions arising from an approved Quality Assurance Plan developed through the program review process or 2) in response to specific issues whose solution cannot be delayed until a Program Review.

Please indicate which the reason for the revision

☐ Arising from an approved Quality Assurance Plan Indication date of approval

☒ Other issue Brewing Micro-Credential students can complete all courses within a credential without being admitted to the program, while Brewing Diploma students must meet the math requirement before admission. The Brewing Department would also like to remove the Letter of Intent from the program's admission requirements, as it does not provide information critical for admission decisions.

Context and Background

With the introduction of Brewing Micro-Credentials and the decision to open HOPS courses within these credentials to all KPU students, the Brewing Department proposes removing the math requirement (E1 on the Math Table) from the program's admission criteria. As math is not a prerequisite for any HOPS courses, retaining this requirement creates an inconsistency: Micro-Credential students can complete all required courses without being formally admitted to the program, while Brewing Diploma students must satisfy the math requirement prior to admission. Eliminating this requirement would promote greater consistency and fairness between these groups.

The Brewing Department also proposes removing the Letter of Intent from the program's admission requirements, as it does not provide information that influences admission decisions. Its primary purpose has been to indicate an applicant's intended stream (e.g., Diploma, Certificate, or Micro-Credential), which can be identified through other means without requiring a Letter of Intent.

Key Messages

1. Remove the math requirement (E1 on the Math Table) from the program's admission criteria
2. Remove the Letter of Intent from the program's admission requirements

Consultations

1. Brewing Department
2. Brett Favaro, Dean, Faculty of Science

Attachments

1. CIM Program: Diploma in Brewing and Brewery Operations

Submitted by

Michelle Molnar, Administrative Coordinator, University Senate

Date submitted

April 9, 2026

Overview

Program proposal contact(s)

Alek Egi

Calendar year edition

2027-2028 ~~2025-2026~~

Overview of proposed changes

	Proposed Changes	Rationale
1	Remove the math (E1 on the Math Table) from the program's admission requirements	With the introduction of the Brewing Micro-Credentials and the decision to open HOPS courses which are part of these Micro-Credentials to all KPU students, the Brewing Department would like to remove the math requirement (E1 on the Math Table) from the program's admission criteria. Since math is not a prerequisite for any of the HOPS courses, maintaining this requirement creates an inequity: Micro-Credential students can complete courses within a credential without ever being admitted to the program, while Brewing Diploma students must meet the math requirement before admission. Removing this requirement would help ensure consistency and fairness across both groups.
2	Remove the Letter of Intent from the program's admission requirements	The Brewing Department would like to remove the Letter of Intent from the program's admission requirements, as it does not provide information that affects admission decisions. Its only function has been to indicate which stream the applicant intends to pursue (e.g., Diploma, Certificate, or Micro-Credential), and this can be determined through other means without requiring an LOI.

Requirements

Admission Requirements

In addition to the Faculty's Admission Requirements, which consist of KPU's undergraduate English Proficiency Requirement (https://calendar.kpu.ca/admissions/english-proficiency-requirements/), the following program admission requirements apply:

- ~~A letter of intent, of about 500 words, addressing~~
  - ~~your interest in attending the Brewing and Brewery Operations program~~
  - ~~the qualities you possess that make you a good candidate for this program~~
- A minimum of 19 years of age by the first day of classes
- Either
  a. Chemistry 11 with a minimum grade of C+ (or equivalent), ~~and Level E1 as defined in the Math Alternatives Table (https://calendar.kpu.ca/course-information/mathematics-alternatives-table/),~~ or
  b. Recommendation by the Admissions Selection Committee.

Selection of qualified applicants for admission will be made by an Admissions Selection Committee which may comprise faculty and staff.

For more information about the Brewing and Brewery Operations program, visit kpu.ca/science/brew (https://www.kpu.ca/science/brew/).

For detailed information on the letter of intent requirements, visit kpu.ca/science/brew/apply (https://www.kpu.ca/science/brew/apply/).

Curricular Requirements

Note: HOPS courses are assessed Tuition Category 2.a.5 (https://calendar.kpu.ca/registration/tuition-mandatory-student-fees/) tuition and fees for domestic students.

Students must complete a minimum of 62 credits that include:

Year 1		
Term 1		**Credits**
HOPS 1100	Introduction to Brewing	3
HOPS 1105	Brewing 1	3
HOPS 1110	Beer Sensory Evaluation	3

HOPS 1212	Brewing Chemistry	4
Elective (https://calendar.kpu.ca/#electives)		3
	Credits	**16**
Term 2		
HOPS 1205	Brewing 2	3
HOPS 1211	Brewing Microbiology	4
HOPS 1213	Brewing Equipment and Technology	3
HOPS 1214	Introduction to Cellaring and Packaging	3
Elective (https://calendar.kpu.ca/#electives)		3
	Credits	**16**
Year 2		
Term 3		
HOPS 2305	Brewing 3	3
HOPS 2314	Advanced Cellaring and Packaging	3
HOPS 2315	Calculations and Recipe Formulation	3
HOPS 2422	The Brewing Industry	3
PHIL 3033	Business Ethics	3
	Credits	**15**
Term 4		
HOPS 2310	Beer Evaluation and Judging Revised Course	3
HOPS 2405	Brewing 4	6
HOPS 2420	Beer Marketing and Sales	3
HOPS 2421	Brewery Management Business Planning	3
	Credits	**15**
	Total Credits	**62**

Electives

Code	Title	Credits
Select two of the following:		6
CBSY 1110	Business Problem Solving with Spreadsheets	
CMNS 1140	Introduction to Professional Communication Revised Course	
HIST/HOPS 2308	Brewing History: Fermentations from Beer to Distilling in Global History & Cultures	
3 credits from a course in CBSY, CMNS, CPSC or INFO at the 1100 level or higher		

Other Information

CSA-approved footwear is required, along with course-specific safety gear.

Credential Awarded

Upon successful completion of this program, students are eligible to receive a **Diploma in Brewing and Brewery Operations**.

Program Learning Outcomes

	A student who successfully completes the program will have reliably demonstrated the ability to:
1	Demonstrate and evaluate safe work practices based on hazard analysis.
2	Demonstrate the fundamental techniques of beer production.
3	Apply knowledge of beer chemistry and microbiology in brewery operations
4	Evaluate appropriate process technology practices in brewery operations.
5	Evaluate and control the consistency and quality of beer using chemical, microbiological and sensory analysis
6	Relate the history and evolution of the beer industry to today's market, beer styles and regulations.
7	Develop a product portfolio that addresses consumer needs.
8	Discuss and apply business principles and strategies related to running a brewing company.

The following information will help determine whether there is a budgetary impact to the proposed program changes, and what additional information and consultation will be required. Please note that all additional budgetary requests in support of the proposed program change require approval from the Dean and the Provost, and additional financial documents may be required.

The information supplied is for administrative purposes only and will not be visible to reviewers in the academic governance process (e.g., Faculty and Senate committee members).

Change in space requirements?
No

Change in equipment requirements?
No

Change in support requirements?
No

Consultation requests
~~Chair of other Department~~
Office of the Registrar

Other departments

Departments
History

Abstract

Degree or non-degree program
Non-Degree

Academic level
Undergraduate

Faculty
Science

Department
Brewing

Program name
Diploma in Brewing and Brewery Operations

Program Code
DI_ST_HOPS

Program description
The Diploma in Brewing and Brewery Operations is a two-year diploma where students study the science, production and business of brewing craft beer. The program combines building a solid foundation in brewing science with hands-on practical learning in our state-of-the-art 2 hectoliter pilot brewery located on the Langley campus. The curriculum was developed in consultation with the BC Craft Brewers Guild and an Advisory Committee consisting on local brewmasters, brewery owners and industry experts.

Implementation date
September 2025

Proposed Program Overview

Program Structure & Delivery

Proposed credential(s) to be granted

Credential Level
Diploma

Date for next review
September 2030

Will this program include a co-operative education option?
No

Discipline and Program Description

Course Delivery Options

Program Delivery Options

Information for Competitive Assessment

Information for Student Demand Assessment

Information for Labour Market Assessment

Financial Assessment Background Questions

Supplementary Documents

Curriculum Map and Program Learning Outcomes
Diploma Brewing and Brewery Operations Curriculum Map_22April2025.xlsx

Other documents
Curriculum Consultation_Brew Diploma.docx

Key: 146

KWANTLEN POLYTECHNIC UNIVERSITY
Senate

SENATE
Agenda Number: *5.3.4*
Meeting Date: *Monday, April 27, 2026*
Presenter(s): *Catherine Schwichtenberg*

AGENDA TITLE: PROGRAM REVISION: DIPLOMA IN ENGINEERING PHYSICS

ACTION REQUESTED: Motion

RECOMMENDED RESOLUTION

THAT Senate approve the revisions to the Diploma in Engineering Physics program, effective September 1, 2026.

COMMITTEE REPORT

On April 8, 2026, the Senate Standing Committee on Curriculum recommend that Senate approve the revisions to the Diploma in Engineering Physics program, effective September 1, 2026.

Approved by the Faculty of Science Curriculum Committee on March 5, 2026.

Approved by the Faculty of Science Faculty Council on March 17, 2026.

Reason for Revision

As per the Procedures of AC10, program revisions at KPU begin either 1) as actions arising from an approved Quality Assurance Plan developed through the program review process or 2) in response to specific issues whose solution cannot be delayed until a Program Review.

Please indicate which the reason for the revision

☐ Arising from an approved Quality Assurance Plan Indication date of approval

☒ Other issue Declaration requirements missed in original program proposal; Proactive changes to MATH requirements to prevent possible duplication of courses and to provide flexibility.

Context and Background

Declarations

During the original program proposal and approval stages, the program declaration requirements for the open-intake Diploma in Engineering Physics were overlooked. A number of the Diploma courses are shared with the limited-intake Certificate in Engineering program, with a limited number of seats

available. To ensure that both Certificate and Diploma students can progress through their programs in a timely manner, seats will be reserved for the Certificate students and declared-Diploma students. The proposed declaration requirements – PHYS 1120 and MATH 1120 with at least a C – will help ensure that those reserved seats only go to students who are able to progress through the Diploma program – half of the Diploma courses require either PHYS 1120 or MATH 1120 as a prerequisite, either directly, or indirectly.

MATH requirement changes:

The Diploma in Engineering Physics was designed to provide students with a complete first-year engineering curriculum to allow seamless transfer into the second-year of an engineering degree program, as well as provide sufficient overlap with the second-year Physics for Modern Technology (PMT) curriculum to allow students to ladder into third-year of the PMT program. The original Diploma program proposal took the MATH requirements of both the Certificate in Engineering, and the PMT programs, but did not notice the curriculum overlap between two of the MATH requirements – one of MATH 1152/2232, and MATH 2721. This required change of the MATH requirements provided an opportunity to also update the MATH requirements to make the Diploma program more flexible and robust to specific course enrolment challenges.

Key Messages

1. Added declaration requirements to ensure qualified students are able to complete the program in a timely manner.

2. Updated MATH requirements to remove curricular overlap and make the program more flexible and robust.

Consultations

1. OREG – Dec 2025
2. Advising – Science, General, International – Dec 2025
3. Departmental – Physics (Dec 2025); Math Chair (Jan 2026)

Attachments

1. CIM Program: Diploma in Engineering Physics

Submitted by

Michelle Molnar, Administrative Coordinator, University Senate

Date submitted

April 9, 2026

KPU

Overview

Calendar year edition

2026-2027 ~~2025-2026~~

Overview of proposed changes

	Proposed Changes	Rationale
1	Addition of explicit Declaration Requirements for the program.	The specified courses, PHYS 1120 and MATH 1120, represent the minimum requirements for a student in the Diploma in Engineering Physics program to progress in the program. Half of the Engineering Physics Diploma curriculum (ten out of twenty courses) requires either PHYS 1120 or MATH 1120 as a prerequisite, directly or indirectly. These changes to declaration ensure that declared students are able to continue in the Diploma program.
2	Changes to MATH curricular requirements.	Removal of MATH 2721 due to significant content overlap with the existing MATH 1152 or 2232 requirement such that a student may only receive credit for one of these courses. Removal of MATH 2821 due to low enrolment issues resulting in the course frequently being cancelled. Conversations within Physics Department indicate that MATH 2721 & MATH 2821 (which were specifically developed for the Physics for Modern Technology program) will also be removed from the PMT program in favour of more standard MATH courses with sustainable enrolment and regular offerings. Selection of MATH 2321 as a required course due to the high degree of transferability to potential degree programs for graduates. A survey of the curricular requirements for the engineering programs at UBC, UVic & SFU found the equivalent to KPU MATH 2321 was universally required by these engineering programs. MATH 2321 also satisfies the corequisite or prerequisite conditions for a number of PHYS courses within the PMT program. Removing MATH 2721 and MATH 2821 will not significantly change the curriculum map because of the content overlap between MATH 2721 and the existing Diploma courses MATH 1152 or 2232, and the content overlap between MATH 2821 and the required MATH 2321. The other MATH options – MATH 3322, MATH 3421 & STAT 2315 – were required by some of the engineering degree programs. Providing options for these three MATH credits allows the student to select the course that best complements their future studies.

Requirements

Admission Requirements

Students pursuing a Diploma in Engineering Physics must be admitted to the Faculty of Science (https://calendar.kpu.ca/programs-az/science/admission-requirements/).

Declaration Requirements

Students intending to graduate with this Faculty of Science diploma must declare the credential. At the time of declaration, the student must satisfy all of the following requirements:

- In good academic standing with the University.
- Completion of a minimum of 15 credits of undergraduate coursework, including:
  - PHYS 1120 with a minimum grade of "C"
  - MATH 1120 with a minimum grade of "C"

Curricular Requirements

Students must complete a minimum of 60 credits that include all of the following:

Code	Title	Credits
APSC 1124	Introduction to Engineering	1
APSC 1151	Introduction to Engineering Graphics	3
APSC 1299	Introduction to Microcontrollers	3
CHEM 1110	The Structure of Matter Revised Course	4
CPSC 1103	Principles of Program Structure and Design I	3
ENGL 1100	Introduction to University Writing	3
MATH 1120	Differential Calculus	3
MATH 1220	Integral Calculus	3
MATH 2321	Multivariate Calculus (Calculus III)	3
PHYS 1120	Physics for Physical and Applied Sciences I	4
PHYS 1220	Physics for Physical and Applied Sciences II	4
One of:		4
CHEM 1154	Chemistry for Engineering Revised Course	
CHEM 1210	Chemical Energetics and Dynamics Revised Course	
One of:		3
MATH 1152	Matrix Algebra for Engineers	
MATH 2232	Linear Algebra	
One of:		3
MATH 3322	Vector Calculus (Calculus IV)	
~~Or~~		
~~MATH 2721~~	~~Complex Numbers and Linear Algebra~~	
~~MATH 2821~~	~~Multivariate and Vector Calculus~~	
MATH 3421	Ordinary Differential Equations	
STAT 2315	Probability and Statistics	
One of:		3
PHYS 1141	Engineering Mechanics	
PHYS 1170	Mechanics I	
Four of, with at least one from List A and one from List B		12
List A		
PHYS 2100	Experimental Physics	
PHYS 2600	Electronics	
PHYS 2610	Sensors and Actuators	
List B		
PHYS 2010	Modern Physics	
PHYS 2030	Classical Mechanics	
PHYS 2040	Thermal Physics	
PHYS 2420	Electricity and Magnetism	
Elective	3 credits from a course outside the Faculty of Science at the 1100 level or higher	3
Total Credits		**62**

Credential Awarded

Upon successful completion of this program, students are eligible to receive a **Diploma in Engineering Physics**.

Program Learning Outcomes

	A student who successfully completes the program will have reliably demonstrated the ability to:
1	To apply scientific concepts, principles and laws of physics and chemistry to solve both theoretical and practical problems related to physics and chemistry
2	To apply theoretical concepts, principles and proofs in mathematics to solve both theoretical and practical problems
3	To effectively and safely operate scientific and industry equipment and hardware to acquire accurate and reliable data
4	To apply software technologies and computer programming techniques to generate solutions that meet the requirements of a client-specified problem
5	To apply scientific knowledge and use a structured and systematic process to generate viable solutions to multi-disciplinary, open-ended, real-world problems
6	To use written, oral and graphical communication to effectively and concisely convey thoughts and ideas to both a technically-fluent and non-technical audience

Transition plan

N/A

The following information will help determine whether there is a budgetary impact to the proposed program changes, and what additional information and consultation will be required. Please note that all additional budgetary requests in support of the proposed program change require approval from the Dean and the Provost, and additional financial documents may be required.

The information supplied is for administrative purposes only and will not be visible to reviewers in the academic governance process (e.g., Faculty and Senate committee members).

Change in space requirements?

No

Change in equipment requirements?

No

Change in support requirements?

No

Consultation requests

Academic Advising
Chair of other Department
Disability, Accessibility, and Inclusion
Information Technology
KPU International
Library
Marketing
Organizational Risk
Student Awards and Financial Assistance
University Space Administration

Other departments

Departments
Chemistry
Mathematics

Abstract

Degree or non-degree program

Non-Degree

Academic level

Undergraduate

Faculty
Science

Department
Physics

Program name
Diploma in Engineering Physics

Program Code
DI_ST_ENPY

Program description
The Diploma in Engineering Physics will include all the courses necessary to transfer into a second-year engineering program (at another university), as well as satisfying most of the first-year requirements of the B.Sc., PMT. The diploma will also include second-year math and physics courses that are transferrable to other PSIs, and meet graduation requirements for KPU's B.Sc., PMT. To be granted the Diploma in Engineering Physics, students will be required to complete 20 courses, totalling 62 credits. Students who complete this credential will be able to continue at KPU to complete the third and fourth years of the B.Sc., PMT program, or transfer into the second-year of an engineering degree program at institutions such as UBC, UVIC or SFU.

Students who complete the Diploma in Engineering Physics will have:
• A foundation of undergraduate physics and math sufficient to pursue upper-level physics and math topics.
• A foundation of applied science topics, including engineering design and engineering graphics.
• A foundation in microcontrollers, including theory, programming, and applications.
• Met the requirements for transfer into second-year of any engineering degree in British Columbia (except BCIT engineering degrees).

Program concentration(s)
Applied Science (APSC) - 7 credits (introductory)
Math (MATH) - 15 credits (introductory and intermediate)
Physics (PHYS) - 23 credits (introductory and intermediate)

Implementation date
September 2026

Proposed Program Overview

Program Structure & Delivery

Proposed credential(s) to be granted

Credential Level
Diploma

Date for next review
September 2031

Alignment with KPU mission and mandate, strategic plan and academic plan
The Department of Physics is seeking approval to create a Diploma in Engineering Physics. This credential will leverage existing courses within the Certificate in Engineering and Bachelor of Science, Major in Physics for Modern Technology (B.Sc., PMT) programs to accomplish three objectives:

1. Create an explicit pathway for students in the Certificate in Engineering (transfer) program to ladder into the B.Sc., PMT.
2. Provide international students with an attractive two-year credential to begin their engineering or physics studies.
3. Provide students who are not accepted or qualified for the limited-intake Certificate in Engineering program with an opportunity to study engineering at KPU via an open admission Diploma in Engineering Physics program.

By leveraging existing courses to create a new credential in a growing job sector, the Diploma in Engineering Physics will help KPU meet goals B3 and C2 of Vision 2023. This new credential's goals of creating pathways from the Certificate in Engineering to the B.Sc., PMT will provide a flexible pathway for all students to study engineering at KPU. This aligns with KPU's 2023 Academic Plan to create

clean transitional pathways (Strategy 1.2), provide flexible curriculum (Strategy 1.3), and provide adult learners with opportunities to study at KPU (Strategy 1.5). The Diploma in Engineering Physics also strongly aligns with goal 4: “build a next generation KPU International”, by creating a new academic program that is attractive for international students.

The creation of a two-year diploma in Engineering was recommended in the 2017 Certificate in Engineering, and 2023 B.Sc., PMT quality assurance plans.

Will this program include a co-operative education option?

No

Discipline and Program Description

Description of discipline

Engineering is the application of science, mathematics, technology, experience, and the engineering design process to solve problems for the benefit of society and the environment. Physics is the science of matter, motion and energy. The Diploma in Engineering Physics will provide a curriculum that covers aspects of both engineering and physics.

Expected time to complete

4 semesters for full-time studies (15 credits/semester)

Total number of credits

62

Proposed domestic tuition

Bylaw 4 - Credit Based Programs, Category 1

Type of intake

Open Intake

Cohort delivery?

No

Alternative entry options

Transfer Credit
PLAR

Course Delivery Options

Part-time studies possible?(i.e., students can choose to study part-time)

Yes

Notes

Students will be able to complete the program at their own pace, whether it be as a full-time or part-time students.

Evening delivery

Yes

Notes

Some courses may have multiple sections that may have both daytime and evening sections; however, not all courses in this program will have that option.

Weekend delivery

No

In person

Yes

Online or blended

Yes

Delivery description

This program will be using existing courses, of which, some may be offered in different delivery modes. This program will not mandate any particular course delivery mode.

Program Delivery Options

Co-op education program/practicum/clinical practice, etc. available

No

Will graduates require certification?

No

Will the program have to meet external accreditation requirements?

No

Information for Competitive Assessment

Related programs at other PSIs

Langara College - Diploma in Applied Science for Engineering.
Capilano University - Engineering Transition Diploma.
Douglas College - Diploma in Engineering and Fabrication Technologies.
University of the Fraser Valley (UFV) - Engineering Physics Diploma in Mechatronics.
Vancouver Island University (VIU) - Engineering Transfer Diploma.
Vancouver Island University (VIU) - Integrated Engineering Technologist Diploma.

Unique aspects/program strengths

The KPU Diploma in Engineering Physics will be most similar to the Douglas and UFV offerings, but differentiates itself from these diploma programs primarily by the number of transferrable second-year courses required. In addition to the courses within the Certificate in Engineering, the diploma includes second-year math and physics courses that all provide second-year transfer credit to at least one of the major research universities in BC. The KPU Diploma in Engineering Physics has been set-up more as an intermediate stepping stone towards a degree program in either physics or engineering. As an end credential, this diploma will provide students with the knowledge and skills to attain a job after graduation that is similar in scope to the work experience positions for the third-year B.Sc., PMT students (see Labour Market Assessment).

The admission requirements for the limited-intake Certificate in Engineering program can create barriers for students wanting to study engineering, but who are ineligible for admission to the Certificate in Engineering program. The creation of an open-intake Diploma in Engineering Physics at KPU will provide these local students in Richmond and Surrey, as well as international students, with the option to pursue engineering studies at KPU, rather than travelling to Langara, Douglas or UFV to begin their engineering studies.

New or existing courses only?

Existing

Relationship with existing KPU programs

The Diploma in Engineering Physics will complement the existing Certificate in Engineering (one year, limited intake, cohort based) by providing a place at KPU for recent high school graduates and mature students wanting to study engineering on a part-time basis, or needing course upgrading.

The diploma aims to increase enrolment in existing courses and the B.Sc., PMT program as a whole by facilitating the conversion of engineering transfer students into B.Sc., PMT students. It is hoped that exposure to the B.Sc., PMT specific courses in the Diploma will help convince the engineering transfer students to switch to B.Sc., PMT and stay at KPU, therefore increasing enrolment in upper-level B.Sc., PMT courses. As well as converting some engineering students to the B.Sc., PMT, some students who plan to study physics may be interested in completing the diploma before laddering into the B.Sc., PMT.

Information for Student Demand Assessment

New applicants to KPU

This credential would be attractive for any new student to study at KPU. As a flexible, open-intake, 2-year Diploma in Engineering Physics, this program will attract students applying directly from high school, students coming back to school for a career change, and international students.

Current KPU students

Current pathway, exploratory and undeclared KPU students may be attracted to the Diploma in Engineering Physics. These students may already have considered pursuing engineering, but required course upgrading. For students who entered KPU without a clear career path, the employment possibilities with engineering may entice them to try a career in engineering.

Students in KPU's Certificate in Engineering program may, for whatever reason, decide not to transfer out of KPU to pursue an engineering degree. Instead, the students may opt for a diploma credential that will open more employment opportunities than a certificate, but can be completed in two, rather than four years for a bachelors degree.

Physics-intended students and B.Sc., PMT students may also opt for the two-year diploma as either an exit credential, or as a stepping-stone towards the B.Sc., PMT degree. The two-year option may be attractive to physics students facing financial or academic hardships with a four-year degree.

As an open-intake program, current KPU students could switch into the diploma program and pursue the required curriculum at their own pace, earning credit for KPU courses already taken.

Domestic/international students

The Diploma in Engineering Physics will be attractive to both domestic and international students. This program is expected to appeal to international students because of the attractive field of study (engineering). The length of study (2 years) allows for graduates to apply for a three-year post-graduation work permit (PGWP).

Faculty of Science Degree Advisors Hannah Cenaiko and Andrea Flello have been consulted, and are in support of this program as a flexible engineering option for domestic students, and an attractive option for international students.

Information for Labour Market Assessment

Main skills graduates will have upon completion of program

Main Skills
Critical thinking and analytic problem solving in undergraduate level math and physics.
Knowledge of the engineering design process and its application to complex problem solving.
Producing and interpreting engineering drawings–both manual and CAD drawings.
Theory, programming and application of micro-controllers.
Experience using laboratory equipment commonly used in chemistry, physics and electronics.
Competency in writing technical reports.
Working collaboratively in teams.

Sectors/types of employers that would most likely hire new graduates

According to the BC Labour Market Outlook, 2023 Edition, STEM professions are the only skills-based cluster where job openings due to job expansion (46,300) will be greater than job replacement (33, 800). It should be noted that the graduate skills from the proposed Diploma in Engineering Physics matches closely with the top five skills for STEM professionals; namely, programming, technology design, mathematics, and science.
It is anticipated that graduates of the Diploma in Engineering Physics will be able to find employment in fields akin to the work experience positions attained by third-year B.Sc., PMT students. Employment areas include:
robotics; green energy technology; manufacturing engineering; biomedical engineering; software development; engineering production; physics research; particle accelerator technology; satellite image analysis, optics; optical engineering; agricultural technology, and electronics.

These employment areas are part of the "professional, scientific and technical services" industry group, with 142 400 job openings forecasted over the next ten years, of which 78,200 will be from job market expansion (BC Labour Market Outlook, 2023 Edition).

Occupations and job titles for which new graduates would be qualified

Job Title	National Occupational Classification (NOC) Code
Chemical technologists and technicians	22100
Drafting technologists and technicians	22212
Non-destructive testers and inspectors	22230

Mechanical engineering technologists and technicians	22301
Industrial engineering and manufacturing technologists and technicians	22302
Electrical and electronics engineering technologists and technicians	22310
Industrial instrument technicians and mechanics	22312
Technical sales specialists	62100

Financial Assessment Background Questions

Funding

No Funding

Class size

Lectures - 35 seat maximum
Labs - 20 seat maximum

Workload

Two existing courses, APSC 1124 and APSC 1299, are currently running at 6.25 % FTE per section. All other courses listed as program requirements are currently 12.5% FTE.

New department?

No

Admin support in addition to Chair

Yes

Specialized equipment

Consumable Supplies
Equipment
Specialized software

Specialized teaching space

Computer labs
Labs

Program personnel

Other (Please specify)

Explain

The proposed program will be delivered by the already existing Department of Physics, under the current time release of the Engineering Chair, so no additional chair release will be required.
Administrative support will be required to create and update a new webpage for the program, as well as support for marketing the new program.

Since the Engineering Physics Diploma program makes use of existing courses (with existing labs), there are no capital costs to this program. The only equipment-related costs would be for consumables due to higher enrolment numbers.

Again, since the proposed Diploma is making use of existing courses only, all of the required computer labs and science labs are already available.

Many of the courses required for the Engineering Physics Diploma are currently under-enrolled, particularly at the KPU Richmond campus. Implementation of this program should increase enrolment in these courses. Hiring of contract lab instructors or contract faculty will only be required if there is sufficient demand to offer additional sections.

Preferred campus delivery

Richmond
Surrey

KPU

Supplementary Documents

Curriculum Map and Program Learning Outcomes

~~Curriculum Map - Diploma in Engineering Physics_17 Jan 2025.xlsx~~
Curriculum Map - Diploma in Engineering Physics - update Jan2026.xlsx

Financial assessment

Diploma in Engineering Physics_Memo on Section Limits_Final.pdf

Full program proposal

bc-non-degree-proposal_diploma engineering physics_19 Feb 2025.doc

Other documents

Dipl Engineering Physics_Curriculum Consultations_21 Mar 2025.docx

Key: 178

KWANTLEN POLYTECHNIC UNIVERSITY
Senate

SENATE
Agenda Number: *5.3.5*
Meeting Date: *Monday, April 27, 2026*
Presenter(s): *Catherine Schwichtenberg*

AGENDA TITLE: PROGRAM REVISION: BACHELOR OF SCIENCE, MAJOR IN BIOLOGY; BACHELOR OF SCIENCE (HONOURS), MAJOR IN BIOLOGY; BACHELOR OF SCIENCE, MAJOR IN HEALTH SCIENCE; BACHELOR OF SCIENCE (HONOURS), MAJOR IN HEALTH SCIENCE

ACTION REQUESTED: Motion

RECOMMENDED RESOLUTION

THAT the Senate Standing Committee on Curriculum recommend that Senate approve the revisions to the following programs, effective September 1, 2026,

- **Bachelor of Science, Major in Biology**
- **Bachelor of Science (Honours), Major in Biology**
- **Bachelor of Science, Major in Health Science**
- **Bachelor of Science (Honours), Major in Health Science**

COMMITTEE REPORT

On April 8, 2026, THAT the Senate Standing Committee on Curriculum recommend that Senate approve the revisions to the following programs, effective September 1, 2026,

- Bachelor of Science, Major in Biology
- Bachelor of Science (Honours), Major in Biology
- Bachelor of Science, Major in Health Science
- Bachelor of Science (Honours), Major in Health Science

Approved by the Faculty of Science Curriculum Committee on March 5, 2026.

Approved by the Faculty of Science Faculty Council on March 17, 2026

Reason for Revision

As per the Procedures of AC10, program revisions at KPU begin either 1) as actions arising from an approved Quality Assurance Plan developed through the program review process or 2) in response to specific issues whose solution cannot be delayed until a Program Review.

Please indicate which the reason for the revision

☒ Arising from an approved Quality Assurance Plan October 19, 2022

☐ Other issue This change was not specifically detailed in the QA plan approved on October 19, 2022; however, the QA plan described ongoing plans to update our Course Outlines to align with Program Learning Outcomes, and that process has necessitated minor program revisions to Honours Declaration, detailed below.

Context and Background

As part of our ongoing updates to course outlines to update Learning Outcomes to map with our program review (as indicated in our QA plan), we have aligned the Outlines of research courses that are taught together (BIOL 4199/4299, HSCI 4199/4299, BIOL 4990/4995, and HSCI 4990/4995). In doing so, we daylighted issues with declaration into our B.Sc. Honours programs (Major in Biology and Major in Health Science). Program requirements for Honours were previously vague and not well-described in the calendar, leading to student confusion. Further, the mechanism for entry was based on registration in the 4990 courses, rather than specific program declaration. This meant that students accepted for Honours did not get the designation on transcripts until after completing registration in September (so it would not show up on documents until January), causing problems for students applying to graduate programs.

In order to properly code students into Honours in a timely fashion, and to prevent confusion for students eligible to apply, and after several consultations with the Registrar on appropriate requirements for Honours, we have added specific entry requirements to both Honours programs. These requirements also bring our Honours programs more in line with other Honours programs at KPU and other institutions.

In addition, we have made an outstanding change in alignment with the BIOL October 2022 QA plan, in which we determined to explore improved first-year writing curriculum requirements. At the time, there was no practical mechanism to implement any change; now that there are specific WI-status English classes, we have replaced the previous 3 Credits in ENGL with 3 Credits from the WI-status list.

Key Messages

1. Course Outlines are now aligned with each other to reflect the single classroom environment; clearer learning outcomes are described in all 4 courses in each semester (BIOL/HSCI 4199/4990 in Fall and BIOL/HSCI 4299/4995 in Winter)

2. Honours Program changes now include specific entry requirements (Prior declaration into B.Sc. program, BIOL 3180 grade of B or higher, minimum CGPA of 3.2 or letter of explanation, approval of the department)

3. B.Sc. Major Program changes allow BIOL/HSCI 4990 and 4995 to be used in lieu of 4199 and 4299, respectively, which will permit students who are unable to maintain the honours eligibility to use those courses towards graduation with the Major.

4. Update of writing intensive course requirements in the first year of BIOL programs.

Consultations

1. Several meetings were held with OREG throughout Fall 2025 (October and November) to consult on Honours program options and best language for these changes.
2. OPRO Curriculum review of proposed changes occurred March 16, 2026
3. Consultation with Vice-Chair of Senate March 20, 2026

Attachments

1. CIM Programs:
   Bachelor of Science, Major in Biology
   Bachelor of Science (Honours), Major in Biology

   Bachelor of Science, Major in Health Science
   Bachelor of Science (Honours), Major in Health Science
2. Related courses in CIM Courses:
   BIOL 4199 Research Project 1
   BIOL 4299 Research Project 2
   BIOL 4990 Honours Thesis Project 1
   BIOL 4995 Honours Thesis Project 2
   HSCI 4199 Research Project 1
   HSCI 4299 Research Project 2
   HSCI 4990 Honours Thesis Project 1
   HSCI 4995 Honours Thesis Project 2

Submitted by

Michelle Molnar, Administrative Coordinator, University Senate

Date submitted

April 9, 2026

Viewing: BSCH_ST_BIOL : Bachelor of Science (Honours), Major in Biology
Last approved: 2025-10-08T21:21:00Z
Last edit: 2026-03-30T21:02:03Z

Changes proposed by: Ashley Allison

Reviewer comments

Brett Favaro (brett.favaro) (Fri, 06 Feb 2026 00:50:00 GMT): Rollback: Per discussion at cur-comm, minor revisions will be made by Layne before resubmission

Virginia Vandenberg (virginia.vandenberg) (Sat, 28 Feb 2026 00:32:07 GMT): Associated course revisions: BIOL 4199, 4299, 4990, 4995

Virginia Vandenberg (virginia.vandenberg) (Mon, 30 Mar 2026 21:02:43 GMT): last Senate approved curriculum map attached to proposal at Senate office request

Ashley Allison (ashley.allison) (Fri, 10 Apr 2026 15:08:29 GMT): Rollback: Still needs to pass Senate.

Overview

Calendar year edition

2026-2027

Considerations

	Parameter	Notes
1	Clarification from proponent: The rationale is mainly to more clearly delineate the Honours designation from the regular Major degrees; our previous program description only said that a "GPA of 3.0" maybe required, without clearly stating which GPA is referred to (CGPA, program GPA, etc.). We also had no differences in curriculum between the Honours and Major beyond the mandated research courses (4990/4995). There is an expectation in the sector that an Honour's degree includes the writing of a thesis, but also that a certain academic standard be involved. After consulting with OREG and referencing other Honour's programs at KPU and elsewhere, we determined that at least the GPA requirement should be more comparable. Increasing to a CGPA of 3.2, with specific grade standards for completion of the thesis, is more in line with other programs. Other institutions often include a formal committee defense requirement, but that is not easy to arrange; this is a compromise that increases the academic rigour without adding costs or additional Faculty time. The changes to the Major degrees is just to ensure that students who don't meet the Honours grade requirements can still use the 4990/4995 courses for graduation.	

Overview of proposed changes

	Proposed Changes	Rationale
1	Declaration Requirements changed to Honours Eligibility and simplified requirements. Changed CGPA 3.0 to 3.2, which must be maintained to be eligible to graduate with Honours.	Many requirements are already satisfied upon declaring into the BSc program, therefore the requirements have been simplified to a CGPA of 3.2 and submission of an application package for review by the Department of Biological and Health Sciences.
2	Addition of minimum grade of "B" in BIOL 4995.	A minimum grade of "B" is required. Students who earn a lower grade may repeat the course to qualify for graduation with honours (minimum CGPA 3.2). Students who do not repeat the course may apply the credit toward BIOL 4299 and complete the credential without honours.

Requirements

Admission Requirements

The Faculty's Admission Requirements, which consist of KPU's undergraduate English Proficiency Requirement (https://calendar.kpu.ca/admissions/english-proficiency-requirements/), apply to this program.

Honours Eligibility

Eligibility for the Bachelor of Science (Honours), Major in Biology program is restricted to students declared in the BSc program and requires permission of the department. To apply, students must have completed a minimum of 75 credits at the 1100 level or higher, including BIOL 3180 with a minimum grade of B, and 6 program credits at the 3000 level or higher. Candidates should hold a CGPA of 3.2 (or give a detailed justification for lower CGPA), and submit an application package to be reviewed by the Department of Biological and Health Sciences.

~~Declaration Requirements~~

~~Students intending to graduate with this Faculty of Science degree must declare the credential by the time they complete 60 credits of undergraduate coursework. At the time of declaration, the student must satisfy all of the following requirements:~~

- ~~In good academic standing with the University~~
- ~~Completion of a minimum of 24 credits of undergraduate coursework, including the following:~~
  - ~~3 credits of ENGL at the 1100 level or higher~~
  - ~~BIOL 1110 with a minimum grade of "C"~~
  - ~~BIOL 1210 with a minimum grade of "C"~~

Curricular Requirements

All students must meet the following minimum requirements:

- In addition to ENGL 1100, complete 3 credits from courses designated as Writing Intensive.
- 120 credits from courses at the 1100 level or higher.
- 45 credits from courses at the 3000 level or higher, including 9 credits at the 4000 level.
- 18 credits of breadth electives (see Electives below) including at least 3 credits from a course at the 3000 level or higher. These must include:
  - at least 12 credits from courses that are offered outside the Faculty of Science; and
  - up to 6 credits from courses offered within the Faculty of Science other than BIOL, CHEM, MATH, and PHYS.
- Cumulative GPA of 3.2 ~~2.0~~ or higher.
- At least 50% of all courses for the BSc, and at least 66% of upper-level courses for the BSc, must be completed at KPU.

~~Enrolment in the Biology Honours program requires the permission of the Biology Department. In order to be considered for the Honours program, students must typically have a record of exceptional academic performance, including a minimum Grade Point Average of 3.0~~

The Bachelor of Science (Honours), Major in Biology degree requires the completion of a minimum of 134 credits, including the following specific course requirements.

Note: Some courses are only offered once per year. Please refer to the course timetable and speak with an Academic Advisor when planning.

Year 1		**Credits**
BIOL 1110	Introductory Biology I	4
BIOL 1210	Introductory Biology II	4
CHEM 1110	The Structure of Matter Revised Course	4
CHEM 1210	Chemical Energetics and Dynamics Revised Course	4
ENGL 1100	Introduction to University Writing	3
MATH 1130	Calculus for Life Sciences I [1]	3
MATH 1230	Calculus for Life Sciences II	3
PHYS 1101	Physics for Life Sciences I	4
PHYS 1102	Physics for Life Sciences II	4
Select three credits of ENGL at the undergraduate level		3
	Credits	**36**
Year 2		
BIOL 2320	Genetics	4
BIOL 2321	Cell Biology	4
BIOL 2322	Ecology	4
BIOL 2421	Cellular Biochemistry	3
CHEM 2320	Organic Chemistry I Revised Course	4
CHEM 2420	Organic Chemistry II Revised Course	4

STAT 2335	Statistics for Life Sciences	3
Select six credits of Electives at the undergraduate level		6
	Credits	**32**
Year 3		
BIOL 3150	Evolutionary Biology	4
BIOL 3180	Life Science Research Methods	3
Select at least one of:		4
BIOL 3215	Zoology	
BIOL 3225	Biology of Plants	
Select at least one of:		4
BIOL 3320	Molecular Genetics	
BIOL 3321	Advanced Cell and Molecular Biology	
Select at least 9 credits of BIOL at the 3000 level or higher		9
Select three credits of BIOL at the undergraduate level		3
Select six credits of Electives at the undergraduate level		6
	Credits	**33**
Year 4		
BIOL 4990	Honours Thesis Project 1 Revised Course	4
BIOL 4995	Honours Thesis Project 2 Revised Course [2]	4
Select at least one of:		3
BIOL 3165	Conservation Biology	
BIOL 4235	Marine Biology Revised Course	
Select at least one of:		4
BIOL 4140	Animal Physiology	
BIOL 4245	Developmental Biology	
Select at least 9 credits of BIOL at the 3000 level or higher		9
Select 9 credits of Electives at the undergraduate level		9
	Credits	**33**
	Total Credits	**134**

1 MATH 1120 may be used as a substitute for MATH 1130.

2 A minimum grade of "B" is required. Students who earn a lower grade may repeat the course to qualify for graduation with honours (minimum CGPA 3.2). Students who do not repeat the course may apply the credit toward BIOL 4299 and complete the credential without honours.

Credential Awarded

Upon successful completion of this program, students are eligible to receive a **Bachelor of Science (Honours), Major in Biology**.

Co-op Requirements

Co-operative Education Option

The Bachelor of Science (Honours), Major in Biology degree is offered with a Cooperative Education Option. Co-operative Education gives a student the opportunity to apply the skills gained during academic study in paid, practical work experience semesters. Degree students can complete a minimum of three work terms while completing their degree. Work terms generally occur full-time in separate 4 month work semesters. Work semesters alternate with academic study.

Students wishing to enter and participate in the Co-operative Education Option must meet the following requirements:

Declaration and Entrance Requirements

- Declaration into the Bachelor of Science (Honours), Major in Biology program
- Declaration of the co-operative education option prior to completion of 90 credits for the Bachelor of Science (Honours), Major in Biology program
- Minimum GPA of 2.7

Program Continuance Requirements

- Completion of COOP 1101 prior to completing 90 credits
- Minimum GPA of 2.7
- Instructor permission

Co-op Course Requirements

The Co-operative Education designation requires successful completion of the following courses:

Code	Title	Credits
Required		
COOP 1101	Introduction to Professional and Career Readiness	1
COOP 1150	Co-op Work Semester 1	9
COOP 2150	Co-op Work Semester 2	9
COOP 3150	Co-op Work Semester 3	9
Optional		
COOP 4150	Co-op Work Semester 4	
Total Credits		**28**

Note: COOP courses must be completed in ascending numerical order. Contact the Co-op office for information about the possibility of part-time work terms. COOP courses may be used only to satisfy the Co-op designation and cannot be used to satisfy other curricular requirements of the program.

Additional Requirements

In addition to the requirements stated above, all Co-op students must satisfy the General Co-operative Education Requirements.

Credential Awarded

Upon successful completion of this program, students are eligible to receive a **Bachelor of Science (Honours), Major in Biology, Co-operative Education Option**.

Program Learning Outcomes

	A student who successfully completes the program will have reliably demonstrated the ability to:
1	Explain chemical, physical and mathematical concepts and relate them to biological structures, functions and processes.
2	Explain biological concepts and processes at the molecular and cellular levels.
3	Explain biological concepts and processes at the organismal, ecosystem, and biosphere levels.
4	Synthesize knowledge to compare key characteristics of the structure, function, development, and adaptations of organisms and acellular entities.
5	Apply the scientific method in designing and conducting experiments to investigate various natural phenomena.
6	Demonstrate competence in the safe practice and use of scientific instruments and equipment in both the laboratory and the field by following appropriate procedures.
7	Critically analyze problems, interpret data, and develop evidence-based solutions by applying knowledge and understanding of scientific principles.
8	Apply appropriate computational techniques, tools, models, and formulae to analyze and evaluate biological data.
9	Communicate and synthesize scientific information from a variety of sources in oral, visual, and written formats.
10	Evaluate the ethics of advances in biological knowledge, practice, understanding, and technology as they relate to contemporary world issues.
11	Develop teamwork and leadership skills through collaborative work in the laboratory, classroom, or field to address biological problems.

The following information will help determine whether there is a budgetary impact to the proposed program changes, and what additional information and consultation will be required. Please note that all additional budgetary requests in support of the proposed program change require approval from the Dean and the Provost, and additional financial documents may be required.

The information supplied is for administrative purposes only and will not be visible to reviewers in the academic governance process (e.g., Faculty and Senate committee members).

Change in space requirements?

No

Change in equipment requirements?

No

Change in support requirements?

No

Abstract

Degree or non-degree program
Degree

Academic level
Undergraduate

Faculty
Science

Department
Biology

Program name
Bachelor of Science (Honours), Major in Biology

Program Code
BSCH_ST_BIOL

Program description
The B.Sc. Major in Biology is a foundational degree program strongly grounded in scientific methodology and practical skills. The structure and breadth of courses offered is designed to equip graduates with a high level of competency in the knowledge, skills and experience necessary for competitive entry into the workforce in a wide range of fields. Graduates will also be well prepared for entry into a professional school or graduate studies program.

Central to this program is the provision of a lab intensive experience where students learn first-hand, the appropriate use of equipment and techniques to investigate living organisms and how they function. Upper level courses build upon the core knowledge and skills developed in 1st and 2nd Year, allowing the exploration of more advanced biological concepts and practical techniques. This culminates in a community focused research or directed studies project which requires students to apply the knowledge and skills they have learned.

Implementation date
September 2025

Proposed Program Overview

Program Structure & Delivery

Proposed credential(s) to be granted

Credential Level
Bachelor of Science (Honours)

Date for next review
September 2030

Will this program include a co-operative education option?
No

Discipline and Program Description

Course Delivery Options

Program Delivery Options

Information for Competitive Assessment

Information for Student Demand Assessment

Information for Labour Market Assessment

Financial Assessment Background Questions

Supplementary Documents

Curriculum Map and Program Learning Outcomes
BIOL Curriculum Map - approved by Senate 2024 01 2024.xlsx

Key: 137

History

1. Nov 28, 2023 by clmig-dboggess
2. Jul 9, 2024 by Ashley Allison (ashley.allison)
3. Mar 6, 2025 by Layne Myhre (Layne.Myhre)
4. May 12, 2025 by Ashley Allison (ashley.allison)
5. Oct 8, 2025 by Ashley Allison (ashley.allison)

Viewing: BSC_ST_BIOL : Bachelor of Science, Major in Biology

Last approved: 2025-10-08T21:19:18Z

Last edit: 2026-03-30T21:01:35Z

Changes proposed by: Ashley Allison

Overview

Calendar year edition

2026-2027

Considerations

	Parameter	Notes
1	Clarification from proponent: The rationale is mainly to more clearly delineate the Honours designation from the regular Major degrees; our previous program description only said that a "GPA of 3.0" maybe required, without clearly stating which GPA is referred to (CGPA, program GPA, etc.). We also had no differences in curriculum between the Honours and Major beyond the mandated research courses (4990/4995). There is an expectation in the sector that an Honour's degree includes the writing of a thesis, but also that a certain academic standard be involved. After consulting with OREG and referencing other Honour's programs at KPU and elsewhere, we determined that at least the GPA requirement should be more comparable. Increasing to a CGPA of 3.2, with specific grade standards for completion of the thesis, is more in line with other programs. Other institutions often include a formal committee defense requirement, but that is not easy to arrange; this is a compromise that increases the academic rigour without adding costs or additional Faculty time. The changes to the Major degrees is just to ensure that students who don't meet the Honours grade requirements can still use the 4990/4995 courses for graduation.	

Overview of proposed changes

	Proposed Changes	Rationale
1	Permit the Honours courses BIOL 4990 and BIOL 4995 to substitute for BIOL 4199 and BIOL 4299, respectively.	To enable students to apply Honours credit toward the appropriate Research Project course and, if necessary, complete the credential without the Honours designation.

Requirements

Admission Requirements

The Faculty's Admission Requirements, which consist of KPU's undergraduate English Proficiency Requirement (https://calendar.kpu.ca/admissions/english-proficiency-requirements/), apply to this program.

Declaration Requirements

Students intending to graduate with this Faculty of Science degree must declare the credential by the time they complete 60 credits of undergraduate coursework. At the time of declaration, the student must satisfy all of the following requirements:

- In good academic standing with the University
- Completion of a minimum of 24 credits of undergraduate coursework, including the following:
  - 3 credits of ENGL at the 1100 level or higher
  - BIOL 1110 with a minimum grade of "C"
  - BIOL 1210 with a minimum grade of "C"

Curricular Requirements

All students must meet the following minimum requirements:

- In addition to ENGL 1100, complete 3 credits from courses designated as Writing Intensive.
- 120 credits from courses at the 1100 level or higher.
- 45 credits from courses at the 3000 level or higher, including 9 credits at the 4000 level.
- 18 credits of breadth electives (see Electives below) including at least 3 credits from a course at the 3000 level or higher. These must include:
  - at least 12 credits from courses that are offered outside the Faculty of Science; and
  - up to 6 credits from courses offered within the Faculty of Science other than BIOL, CHEM, MATH, and PHYS.
- Cumulative GPA of 2.0 or higher.
- At least 50% of all courses for the BSc, and at least 66% of upper-level courses for the BSc, must be completed at KPU.

The Biology Major requires the completion of a minimum of 132 credits, including the following specific course requirements.

Note: Some courses are only offered once per year. Please refer to the course timetable and speak with an Academic Advisor when planning.

Year 1		**Credits**
BIOL 1110	Introductory Biology I	4
BIOL 1210	Introductory Biology II	4
CHEM 1110	The Structure of Matter Revised Course	4
CHEM 1210	Chemical Energetics and Dynamics Revised Course	4
ENGL 1100	Introduction to University Writing	3
MATH 1130	Calculus for Life Sciences I [1]	3
MATH 1230	Calculus for Life Sciences II	3
PHYS 1101	Physics for Life Sciences I	4
PHYS 1102	Physics for Life Sciences II	4
Select three credits of ENGL at the undergraduate level		3
	Credits	**36**
Year 2		
BIOL 2320	Genetics	4
BIOL 2321	Cell Biology	4
BIOL 2322	Ecology	4
BIOL 2421	Cellular Biochemistry	3
CHEM 2320	Organic Chemistry I Revised Course	4
CHEM 2420	Organic Chemistry II Revised Course	4
STAT 2335	Statistics for Life Sciences	3
Select six credits of Electives at the undergraduate level		6
	Credits	**32**
Year 3		
BIOL 3150	Evolutionary Biology	4
BIOL 3180	Life Science Research Methods	3
Select at least one of:		4
BIOL 3215	Zoology	
BIOL 3225	Biology of Plants	
Select at least one of:		4
BIOL 3320	Molecular Genetics	
BIOL 3321	Advanced Cell and Molecular Biology	
Select at least 9 credits of BIOL at the 3000 level or higher		9
Select three credits of BIOL at the undergraduate level		3
Select six credits of Electives at the undergraduate level		6
	Credits	**33**
Year 4		
Select at least one of:		3
BIOL 3165	Conservation Biology	
BIOL 4235	Marine Biology Revised Course	
Select at least one of:		4

BIOL 4140	Animal Physiology	
BIOL 4245	Developmental Biology	
Select at least 9 credits of BIOL at the 3000 level or higher		9
Select 9 credits of Electives at the undergraduate level		9
Select one of the following Groups:		6
Group A		
BIOL 4900	Special Topics	
Select three credits of BIOL at the 3000 level or higher		
Group B		
BIOL 4199	Research Project 1 Revised Course [2]	
BIOL 4299	Research Project 2 Revised Course [3]	
	Credits	**31**
	Total Credits	**132**

1 MATH 1120 may be used as a substitute for MATH 1130.
2 BIOL 4990 may be used as a substitute for BIOL 4199.
3 BIOL 4995 may be used as a substitute for BIOL 4299.

Credential Awarded

Upon successful completion of this program, students are eligible to receive a **Bachelor of Science, Major in Biology**.

Co-op Requirements

Co-operative Education Option

The Bachelor of Science, Major in Biology degree is offered with a Cooperative Education Option. Co-operative Education gives a student the opportunity to apply the skills gained during academic study in paid, practical work experience semesters. Degree students can complete a minimum of three work terms while completing their degree. Work terms generally occur full-time in separate 4 month work semesters. Work semesters alternate with academic study.

Students wishing to enter and participate in the Co-operative Education Option must meet the following requirements:

Declaration and Entrance Requirements

- Declaration into the Bachelor of Science, Major in Biology program
- Declaration of the co-operative education option prior to completion of 90 credits for the Bachelor of Science, Major in Biology program
- Minimum GPA of 2.7

Program Continuance Requirements

- Completion of COOP 1101 prior to completing 90 credits
- Minimum GPA of 2.7
- Instructor permission

Co-op Course Requirements

The Co-operative Education designation requires successful completion of the following courses:

Code	Title	Credits
Required		
COOP 1101	Introduction to Professional and Career Readiness	1
COOP 1150	Co-op Work Semester 1	9
COOP 2150	Co-op Work Semester 2	9
COOP 3150	Co-op Work Semester 3	9
Optional		
COOP 4150	Co-op Work Semester 4	
Total Credits		**28**

Note: COOP courses must be completed in ascending numerical order. Contact the Co-op office for information about the possibility of part-time work terms. COOP courses may be used only to satisfy the Co-op designation and cannot be used to satisfy other curricular requirements of the program.

Additional Requirements

In addition to the requirements stated above, all Co-op students must satisfy the General Co-operative Education Requirements.

Credential Awarded

Upon successful completion of this program, students are eligible to receive a **Bachelor of Science, Major in Biology, Co-operative Education Option**.

Program Learning Outcomes

	A student who successfully completes the program will have reliably demonstrated the ability to:
1	Explain chemical, physical and mathematical concepts and relate them to biological structures, functions and processes.
2	Explain biological concepts and processes at the molecular and cellular levels.
3	Explain biological concepts and processes at the organismal, ecosystem, and biosphere levels.
4	Synthesize knowledge to compare key characteristics of the structure, function, development, and adaptations of organisms and acellular entities.
5	Apply the scientific method in designing and conducting experiments to investigate various natural phenomena.
6	Demonstrate competence in the safe practice and use of scientific instruments and equipment in both the laboratory and the field by following appropriate procedures.
7	Critically analyze problems, interpret data, and develop evidence-based solutions by applying knowledge and understanding of scientific principles.
8	Apply appropriate computational techniques, tools, models, and formulae to analyze and evaluate biological data.
9	Communicate and synthesize scientific information from a variety of sources in oral, visual, and written formats.
10	Evaluate the ethics of advances in biological knowledge, practice, understanding, and technology as they relate to contemporary world issues.
11	Develop teamwork and leadership skills through collaborative work in the laboratory, classroom, or field to address biological problems.

The following information will help determine whether there is a budgetary impact to the proposed program changes, and what additional information and consultation will be required. Please note that all additional budgetary requests in support of the proposed program change require approval from the Dean and the Provost, and additional financial documents may be required.

The information supplied is for administrative purposes only and will not be visible to reviewers in the academic governance process (e.g., Faculty and Senate committee members).

Change in space requirements?

No

Change in equipment requirements?

No

Change in support requirements?

No

Abstract

Degree or non-degree program

Degree

Academic level

Undergraduate

Faculty

Science

Department

Biology

Program name

Bachelor of Science, Major in Biology

Program Code
BSC_ST_BIOL

Program description
The B.Sc. Major in Biology is a foundational degree program strongly grounded in scientific methodology and practical skills. The structure and breadth of courses offered is designed to equip graduates with a high level of competency in the knowledge, skills and experience necessary for competitive entry into the workforce in a wide range of fields. Graduates will also be well prepared for entry into a professional school or graduate studies program.

Central to this program is the provision of a lab intensive experience where students learn first-hand, the appropriate use of equipment and techniques to investigate living organisms and how they function. Upper level courses build upon the core knowledge and skills developed in 1st and 2nd Year, allowing the exploration of more advanced biological concepts and practical techniques. This culminates in a community focused research or directed studies project which requires students to apply the knowledge and skills they have learned.

Implementation date
September 2025

Proposed Program Overview

Program Structure & Delivery

Proposed credential(s) to be granted

Credential Level
Bachelor of Science

Date for next review
September 2030

Will this program include a co-operative education option?
No

Discipline and Program Description

Course Delivery Options

Program Delivery Options

Information for Competitive Assessment

Information for Student Demand Assessment

Information for Labour Market Assessment

Financial Assessment Background Questions

Supplementary Documents

Curriculum Map and Program Learning Outcomes
BIOL Curriculum Map - approved by Senate 2024 01 2024.xlsx

Key: 133

Viewing: BSCH_ST_HLTH : Bachelor of Science (Honours), Major in Health Science
Last approved: Mon, 12 May 2025 21:35:41 GMT
Last edit: 2026-03-30T21:41:26Z

Changes proposed by: Ashley Allison

Reviewer comments

Brett Favaro (brett.favaro) (Fri, 06 Feb 2026 00:50:06 GMT): Rollback: Per discussion at cur-comm, minor revisions will be made by Layne before resubmission

Virginia Vandenberg (virginia.vandenberg) (Sat, 28 Feb 2026 00:32:47 GMT): Associated course revisions: HSCI 4199, 4299, 4990, 4995

Virginia Vandenberg (virginia.vandenberg) (Mon, 30 Mar 2026 21:42:11 GMT): program review curriculum map attached to proposal at Senate office request

Ashley Allison (ashley.allison) (Fri, 10 Apr 2026 15:08:41 GMT): Rollback: Still needs to pass Senate.

Overview

Calendar year edition

2026-2027 ~~2025-2026~~

Considerations

	Parameter	Notes
1	Clarification from proponent: The rationale is mainly to more clearly delineate the Honours designation from the regular Major degrees; our previous program description only said that a "GPA of 3.0" maybe required, without clearly stating which GPA is referred to (CGPA, program GPA, etc.). We also had no differences in curriculum between the Honours and Major beyond the mandated research courses (4990/4995). There is an expectation in the sector that an Honour's degree includes the writing of a thesis, but also that a certain academic standard be involved. After consulting with OREG and referencing other Honour's programs at KPU and elsewhere, we determined that at least the GPA requirement should be more comparable. Increasing to a CGPA of 3.2, with specific grade standards for completion of the thesis, is more in line with other programs. Other institutions often include a formal committee defense requirement, but that is not easy to arrange; this is a compromise that increases the academic rigour without adding costs or additional Faculty time. The changes to the Major degrees is just to ensure that students who don't meet the Honours grade requirements can still use the 4990/4995 courses for graduation.	

Overview of proposed changes

	Proposed Changes	Rationale
1	Declaration Requirements changed to Honours Eligibility and simplified requirements. Changed CGPA 3.0 to 3.2, which must be maintained to be eligible to graduate with Honours.	Many requirements are already satisfied upon declaring into the BSc program, therefore the requirements have been simplified to a CGPA of 3.2 and submission of an application package for review by the Department of Biological and Health Sciences.
2	Addition of minimum grade of "B" in HSCI 4995.	A minimum grade of "B" is required. Students who earn a lower grade may repeat the course to qualify for graduation with honours (minimum CGPA 3.2). Students who do not repeat the course may apply the credit toward HSCI 4299 and complete the credential without honours.

Requirements

Admission Requirements

The Faculty's Admission Requirements, which consist of KPU's undergraduate English Proficiency Requirement (https://calendar.kpu.ca/admissions/english-proficiency-requirements/), apply to this program.

Honours Eligibility

Eligibility for the Bachelor of Science (Honours), Major in Health Science program is restricted to students declared in the BSc program and requires permission of the department. To apply, students must have completed a minimum of 75 credits at the 1100 level or higher, including BIOL 3180 with a minimum grade of B, and 6 program credits at the 3000 level or higher. Candidates should hold a CGPA of 3.2 (or give a detailed justification for lower CGPA), and submit an application package to be reviewed by the Department of Biological and Health Sciences.

~~Declaration Requirements~~

~~Students intending to graduate with this Faculty of Science degree must declare the credential by the time they complete 60 credits of undergraduate coursework. At the time of declaration, the student must satisfy all of the following requirements:~~

- ~~In good academic standing with the University~~
- ~~Completion of a minimum of 21 credits of undergraduate coursework, including the following:~~
  - ~~3 credits of ENGL at the 1100 level or higher~~
  - ~~BIOL 1110 with a minimum grade of "C"~~
  - ~~HSCI 1115 with a minimum grade of "C"~~

Curricular Requirements

All students must meet the following minimum requirements:

- In addition to ENGL 1100, complete 3 credits from courses designated as Writing Intensive.
- 120 credits from courses at the 1100 level or higher.
- 45 credits from courses at the 3000 level or higher, including 9 credits at the 4000 level.
- 18 credits of breadth electives including at least 3 credits from a course at the 3000 level or higher. These must include:
  - at least 12 credits from courses that are offered outside the Faculty of Science; and
  - up to 6 credits from courses offered within the Faculty of Science other than BIOL, CHEM, MATH, and PHYS.
- Cumulative GPA of 3.2 ~~2.0~~ or higher.
- At least 50% of all courses for the BSc, and at least 66% of upper-level courses for the BSc, must be completed at KPU.

~~Enrolment in the Health Science Honours program requires the permission of the Biology Department. In order to be considered for the Honours program, students must typically have a record of exceptional academic performance, including a minimum Grade Point Average of 3.0~~

The Bachelor of Science (Honours), Major in Health Science, requires the completion of a minimum of 126 credits, including the following specific course requirements.

Year 1		**Credits**
BIOL 1110	Introductory Biology I	4
BIOL 1210	Introductory Biology II	4
CHEM 1110	The Structure of Matter Revised Course	4
CHEM 1210	Chemical Energetics and Dynamics Revised Course	4
ENGL 1100	Introduction to University Writing	3
HSCI 1115	Introduction to Health Science	3
HSCI 2220	Medical Terminology	3
MATH 1120 or MATH 1130	Differential Calculus or Calculus for Life Sciences I	3
MATH 1230	Calculus for Life Sciences II	3
Select one of the following:		3
INDG 1100	Introduction to Indigenous Studies	
MATH 1135	Problems and Concepts	
PHIL 1145	Critical Thinking	
PHIL 1155	Introduction to Scientific Reasoning	
SOCI 1125	Introduction to Society: Processes and Structures	
	Credits	**34**
Year 2		
BIOL 2320	Genetics	4
BIOL 2321	Cell Biology	4
BIOL 2421	Cellular Biochemistry	3
CHEM 2320	Organic Chemistry I Revised Course	4

CHEM 2420	Organic Chemistry II Revised Course	4
PHYS 1101	Physics for Life Sciences I	4
SOCI 2280	Sociology of Health, Disability, and Society	3
Elective	At the 1100 level or higher	3
Select one of the following:		3-4
ANTH 1100	Social & Cultural Anthropology	
ENVI 2305	Environmental Toxicology Revised Course	
PSYC 1100	Introduction to Psychology: Basic Processes	
PHYS 1102	Physics for Life Sciences II	
PHIL 1145	Critical Thinking	
	Credits	**32-33**
Year 3		
BIOL 2330	Microbiology	4
BIOL 3130	Foundations of Human Anatomy & Physiology	4
BIOL 3180	Life Science Research Methods	3
BIOL 3321	Advanced Cell and Molecular Biology	4
BIOL 4230	Human Gastrointestinal, Excretory, and Reproductive Systems	3
PHIL 3010	Health Care Ethics	3
STAT 2335	Statistics for Life Sciences	3
Select two of the following:		6-7
BIOL 3320	Molecular Genetics	
HSCI 3110	Applications of Health Science	
HSCI 3215	Complementary Medicine	
HSCI 3225	Nutrition	
HSCI 4130	Pharmacology	
	Credits	**30-31**
Year 4		
BIOL 3421	Molecular Biochemistry	3
BIOL 4130	The Human Cardiovascular, Respiratory and Nervous Systems	4
HSCI 4380	Critical Evaluation	3
HSCI 4990	Honours Thesis Project I Revised Course	4
HSCI 4995	Honours Thesis Project 2 Revised Course [1]	4
Select two of the following:		6-8
BIOL 3330	Microbiology II	
BIOL 4320	Human Genetics	
BIOL 4245	Developmental Biology	
BIOL 4255	Bioinformatics	
HSCI 4170	Human Pathology	
Select two of the following:		6
HSCI 4110	Health Program Planning and Evaluation	
HSCI 4140	Health and Aging	
HSCI 4245	Populations and Policy	
HSCI 4250	Health Business	
	Credits	**30-32**
	Total Credits	**126-130**

[1] A minimum grade of "B" is required. Students who earn a lower grade may repeat the course to qualify for graduation with honours (minimum CGPA 3.2). Students who do not repeat the course may apply the credit toward HSCI 4299 and complete the credential without honours.

Credential Awarded

Upon successful completion of the Honours program, students are eligible to receive a **Bachelor of Science (Honours), Major in Health Science**.

Co-op Requirements

Co-operative Education Option

The Bachelor of Science (Honours), Major in Health Science degree is offered with a Co-operative Education Option. Co-operative Education gives a student the opportunity to apply the skills gained during academic study in paid, practical work experience semesters. Degree students can complete a minimum of three work terms while completing their degree. Work terms generally occur full-time in separate 4 month work semesters. Work semesters alternate with academic study.

Students wishing to enter and participate in the Co-operative Education Option must meet the following requirements:

Declaration and Entrance Requirements

- Declaration into the Bachelor of Science, Major in Health Science program
- Declaration of the co-operative education option prior to completion of 90 credits for the Bachelor of Science, Major in Health Science program
- Minimum GPA of 2.7

Program Continuance Requirements

- Completion of COOP 1101 prior to completing 90 credits
- Minimum GPA of 2.7
- Instructor permission

Co-op Course Requirements

The Co-operative Education designation requires successful completion of the following courses:

Code	Title	Credits
Required		
COOP 1101	Introduction to Professional and Career Readiness	1
COOP 1150	Co-op Work Semester 1	9
COOP 2150	Co-op Work Semester 2	9
COOP 3150	Co-op Work Semester 3	9
Optional		
COOP 4150	Co-op Work Semester 4	
Total Credits		**28**

Note: COOP courses must be completed in ascending numerical order. Contact the Co-op office for information about the possibility of part-time work terms. COOP courses may be used only to satisfy the Co-op designation and cannot be used to satisfy other curricular requirements of the program.

Additional Requirements

In addition to the requirements stated above, all Co-op students must satisfy the General Co-operative Education Requirements (https://calendar.kpu.ca/academic-regulations/co-operative-education/).

Credential Awarded

Upon successful completion of this program with co-operative education, students are eligible to receive a **Bachelor of Science (Honours), Major in Health Science, Co-operative Education Option**.

Program Learning Outcomes

	A student who successfully completes the program will have reliably demonstrated the ability to:
1	Examine fundamental biological concepts, processes, and systems of the human body, including the structure, function, and properties of the molecules of life, cells, and organ systems in relation to homeostasis and health. ~~N/A~~
2	Examine fundamental concepts, processes, and systems of chemistry, including matter and chemical bonding; quantities in chemical reactions; solutions and solubility; acids and bases; as well as nomenclature, structure, and properties of organic compounds in relation to health and the human body.
3	Examine fundamental concepts, processes, and systems of physics, including classical mechanics (Laws of Motion), electromagnetism, relativity, and thermodynamics.
4	Solve numeric problems and interpret data related to health sciences using mathematical concepts, including algebra, basic probability, descriptive statistics, inferential statistics, and multiple variable analyses.
5	Apply health science language and terminology appropriately to communicate clearly, concisely, and correctly in written, spoken, and visual forms
6	Investigate health sciences and science-related questions, problems, and evidence using the scientific method and evidence-based approaches.
7	Develop an awareness of the different components of health science and their inter-relationships.
8	Develop a critical understanding of health issues.
9	Assess how health information is presented, interpreted, and applied.
10	Develop critical knowledge of health information and technologies.
11	Develop facility with the research techniques appropriate to effectively explore health information.

12	Internalize an efficient approach to being well-informed about health information and issues.
13	Critically analyze health issues by applying current knowledge and perspectives to a range of health questions.
14	Execute capacity to foster human health based on an understanding of current knowledge, techniques, and innovative thinking
15	Apply understanding of health issues by seeking solutions through avenues such as research, experiential engagement, and innovation.
16	Prepare a personal strategy and plan for academic, career, and professional development in health science or related field.

The following information will help determine whether there is a budgetary impact to the proposed program changes, and what additional information and consultation will be required. Please note that all additional budgetary requests in support of the proposed program change require approval from the Dean and the Provost, and additional financial documents may be required.

The information supplied is for administrative purposes only and will not be visible to reviewers in the academic governance process (e.g., Faculty and Senate committee members).

Change in space requirements?

No

Change in equipment requirements?

No

Change in support requirements?

No

Abstract

Degree or non-degree program

Degree

Academic level

Undergraduate

Faculty

Science

Department

Biology

Program name

Bachelor of Science (Honours), Major in Health Science

Program Code

BSCH_ST_HLTH

Program description

The B.Sc. in Health Science program is designed to prepare students for employment in health policy, research, management, sales, and education. The program also prepares students for entry into health professional programs and post graduate degrees in the sciences.

The objectives of the degree program are to provide graduates with:

Foundational knowledge in the basic sciences of chemistry, physics, mathematics, and biology, along with strong writing and critical thinking skills.
Skills to apply scientific knowledge to clinical, public, and population health to understand current health issues and the common approaches used to advance health and wellness.
Educational prerequisites necessary for entry into health professional programs (e.g., medicine, dentistry, pharmacy, etc.) or post-graduate studies in the sciences.

Competitive advantage to graduates choosing to pursue alternate career paths or post-graduate studies in complementary medicine (e.g., naturopathy, traditional Asian medicine).
The B.Sc. in Health Science degree is designed around required basic science and health science courses, that are complemented by health science and open electives to provide graduates with a solid science foundation, along with critical health research, communication, and management skills for future success.

Implementation date
September 2025

Proposed Program Overview

Program Structure & Delivery

Proposed credential(s) to be granted

Credential Level
Bachelor of Science (Honours)

Date for next review
September 2030

Will this program include a co-operative education option?
Yes

Discipline and Program Description

Course Delivery Options

Program Delivery Options

Information for Competitive Assessment

Information for Student Demand Assessment

Information for Labour Market Assessment

Financial Assessment Background Questions

Supplementary Documents

Curriculum Map and Program Learning Outcomes
HSCI Honours Curriculum Map - January 2025.xlsx

Key: 138

History

1. Nov 28, 2023 by clmig-dboggess
2. Jul 9, 2024 by Ashley Allison (ashley.allison)
3. Mar 6, 2025 by Layne Myhre (Layne.Myhre)
4. May 12, 2025 by Ashley Allison (ashley.allison)

Viewing: BSC_ST_HLTH : Bachelor of Science, Major in Health Science

Last approved: Mon, 12 May 2025 21:33:58 GMT

Last edit: 2026-03-30T21:41:59Z

Changes proposed by: Ashley Allison

Overview

Calendar year edition

2026-2027 ~~2025-2026~~

Considerations

	Parameter	Notes
1	Clarification from proponent: The rationale is mainly to more clearly delineate the Honours designation from the regular Major degrees; our previous program description only said that a "GPA of 3.0" maybe required, without clearly stating which GPA is referred to (CGPA, program GPA, etc.). We also had no differences in curriculum between the Honours and Major beyond the mandated research courses (4990/4995). There is an expectation in the sector that an Honour's degree includes the writing of a thesis, but also that a certain academic standard be involved. After consulting with OREG and referencing other Honour's programs at KPU and elsewhere, we determined that at least the GPA requirement should be more comparable. Increasing to a CGPA of 3.2, with specific grade standards for completion of the thesis, is more in line with other programs. Other institutions often include a formal committee defense requirement, but that is not easy to arrange; this is a compromise that increases the academic rigour without adding costs or additional Faculty time. The changes to the Major degrees is just to ensure that students who don't meet the Honours grade requirements can still use the 4990/4995 courses for graduation.	

Overview of proposed changes

	Proposed Changes	Rationale
1	Permit the Honours courses HSCI 4990 and HSCI 4995 to substitute for HSCI 4199 and HSCI 4299, respectively.	To enable students to apply Honours credit toward the appropriate Research Project course and, if necessary, complete the credential without the Honours designation.

Requirements

Admission Requirements

The Faculty's Admission Requirements, which consist of KPU's undergraduate English Proficiency Requirement (https://calendar.kpu.ca/admissions/english-proficiency-requirements/), apply to this program.

Declaration Requirements

Students intending to graduate with this Faculty of Science degree must declare the credential by the time they complete 60 credits of undergraduate coursework. At the time of declaration, the student must satisfy all of the following requirements:

- In good academic standing with the University
- Completion of a minimum of 21 credits of undergraduate coursework, including the following:

- 3 credits of ENGL at the 1100 level or higher
- BIOL 1110 with a minimum grade of "C"
- HSCI 1115 with a minimum grade of "C"

Curricular Requirements

All students must meet the following minimum requirements:

- In addition to ENGL 1100, complete 3 credits from courses designated as Writing Intensive.
- 120 credits from courses at the 1100 level or higher.
- 45 credits from courses at the 3000 level or higher, including 9 credits at the 4000 level.
- 18 credits of breadth electives including at least 3 credits from a course at the 3000 level or higher. These must include:
  - at least 12 credits from courses that are offered outside the Faculty of Science; and
  - up to 6 credits from from courses offered within the Faculty of Science other than BIOL, CHEM, MATH, and PHYS.
- Cumulative GPA of 2.0 or higher.
- At least 50% of all courses for the BSc, and at least 66% of upper-level courses for the BSc, must be completed at KPU.

The Health Science Major requires the completion of a minimum of 124 credits, including the following specific course requirements.

Year 1		**Credits**
BIOL 1110	Introductory Biology I	4
BIOL 1210	Introductory Biology II	4
CHEM 1110	The Structure of Matter Revised Course	4
CHEM 1210	Chemical Energetics and Dynamics Revised Course	4
ENGL 1100	Introduction to University Writing	3
HSCI 1115	Introduction to Health Science	3
HSCI 2220	Medical Terminology	3
MATH 1120 or MATH 1130	Differential Calculus or Calculus for Life Sciences I	3
MATH 1230	Calculus for Life Sciences II	3
Select one of the following:		3
INDG 1100	Introduction to Indigenous Studies	
MATH 1135	Problems and Concepts	
PHIL 1145	Critical Thinking	
PHIL 1155	Introduction to Scientific Reasoning	
SOCI 1125	Introduction to Society: Processes and Structures	
	Credits	**34**
Year 2		
BIOL 2320	Genetics	4
BIOL 2321	Cell Biology	4
BIOL 2421	Cellular Biochemistry	3
CHEM 2320	Organic Chemistry I Revised Course	4
CHEM 2420	Organic Chemistry II Revised Course	4
PHYS 1101	Physics for Life Sciences I	4
SOCI 2280	Sociology of Health, Disability, and Society	3
Elective	At the 1100 level or higher	3
Select one of the following:		3-4
ANTH 1100	Social & Cultural Anthropology	
ENVI 2305	Environmental Toxicology Revised Course	
PSYC 1100	Introduction to Psychology: Basic Processes	
PHYS 1102	Physics for Life Sciences II	
PHIL 1145	Critical Thinking	
	Credits	**32-33**
Year 3		
BIOL 2330	Microbiology	4
BIOL 3130	Foundations of Human Anatomy & Physiology	4
BIOL 3180	Life Science Research Methods	3
BIOL 3321	Advanced Cell and Molecular Biology	4
BIOL 4230	Human Gastrointestinal, Excretory, and Reproductive Systems	3
PHIL 3010	Health Care Ethics	3
STAT 2335	Statistics for Life Sciences	3
Select two of the following:		6-7
BIOL 3320	Molecular Genetics	
HSCI 3110	Applications of Health Science	
HSCI 3215	Complementary Medicine	

HSCI 3225	Nutrition	
HSCI 4130	Pharmacology	
	Credits	**30-31**
Year 4		
BIOL 3421	Molecular Biochemistry	3
BIOL 4130	The Human Cardiovascular, Respiratory and Nervous Systems	4
HSCI 4380	Critical Evaluation	3
Select two of the following:		6-8
BIOL 3330	Microbiology II	
BIOL 4320	Human Genetics	
BIOL 4245	Developmental Biology	
BIOL 4255	Bioinformatics	
HSCI 4170	Human Pathology	
Select two of the following:		6
HSCI 4110	Health Program Planning and Evaluation	
HSCI 4140	Health and Aging	
HSCI 4245	Populations and Policy	
HSCI 4250	Health Business	
Select one of the following groups:		6
Group A		
HSCI 4950	Senior Seminar	
Elective at the 3000 level or higher		
Group B		
HSCI 4199	Research Project 1 Revised Course [1]	
HSCI 4299	Research Project 2 Revised Course [2]	
	Credits	**28-30**
	Total Credits	**124-128**

1 HSCI 4990 may be used as a substitute for HSCI 4199.
2 HSCI 4995 may be used as a substitute for HSCI 4299.

Credential Awarded

Upon successful completion of the major program, students are eligible to receive a **Bachelor of Science, Major in Health Science**.

Co-op Requirements

Co-operative Education Option

The Bachelor of Science, Major in Health Science degree is offered with a Cooperative Education Option. Co-operative Education gives a student the opportunity to apply the skills gained during academic study in paid, practical work experience semesters. Degree students can complete a minimum of three work terms while completing their degree. Work terms generally occur full-time in separate 4 month work semesters. Work semesters alternate with academic study.

Students wishing to enter and participate in the Co-operative Education Option must meet the following requirements:

Declaration and Entrance Requirements

- Declaration into the Bachelor of Science, Major in Health Science program
- Declaration of the co-operative education option prior to completion of 90 credits for the Bachelor of Science, Major in Health Science program
- Minimum GPA of 2.7

Program Continuance Requirements

- Completion of COOP 1101 prior to completing 90 credits
- Minimum GPA of 2.7
- Instructor permission

Co-op Course Requirements

The Co-operative Education designation requires successful completion of the following courses:

Code	Title	Credits
Required		
COOP 1101	Introduction to Professional and Career Readiness	1
COOP 1150	Co-op Work Semester 1	9

COOP 2150	Co-op Work Semester 2	9
COOP 3150	Co-op Work Semester 3	9
Optional		
COOP 4150	Co-op Work Semester 4	
Total Credits		**28**

Note: COOP courses must be completed in ascending numerical order. Contact the Co-op office for information about the possibility of part-time work terms. COOP courses may be used only to satisfy the Co-op designation and cannot be used to satisfy other curricular requirements of the program.

Additional Requirements

In addition to the requirements stated above, all Co-op students must satisfy the General Co-operative Education Requirements (https://calendar.kpu.ca/academic-regulations/co-operative-education/).

Credential Awarded

Upon successful completion of this program with co-operative education, students are eligible to receive a **Bachelor of Science, Major in Health Science, Co-operative Education Option**.

Program Learning Outcomes

	A student who successfully completes the program will have reliably demonstrated the ability to:
1	Examine fundamental biological concepts, processes, and systems of the human body, including the structure, function, and properties of the molecules of life, cells, and organ systems in relation to homeostasis and health. ~~N/A~~
2	Examine fundamental concepts, processes, and systems of chemistry, including matter and chemical bonding; quantities in chemical reactions; solutions and solubility; acids and bases; as well as nomenclature, structure, and properties of organic compounds in relation to health and the human body.
3	Examine fundamental concepts, processes, and systems of physics, including classical mechanics (Laws of Motion), electromagnetism, relativity, and thermodynamics.
4	Solve numeric problems and interpret data related to health sciences using mathematical concepts, including algebra, basic probability, descriptive statistics, inferential statistics, and multiple variable analyses.
5	Apply health science language and terminology appropriately to communicate clearly, concisely, and correctly in written, spoken, and visual forms
6	Investigate health sciences and science-related questions, problems, and evidence using the scientific method and evidence-based approaches.
7	Develop an awareness of the different components of health science and their inter-relationships.
8	Develop a critical understanding of health issues.
9	Assess how health information is presented, interpreted, and applied.
10	Develop critical knowledge of health information and technologies.
11	Develop facility with the research techniques appropriate to effectively explore health information.
12	Internalize an efficient approach to being well-informed about health information and issues.
13	Critically analyze health issues by applying current knowledge and perspectives to a range of health questions.
14	Execute capacity to foster human health based on an understanding of current knowledge, techniques, and innovative thinking
15	Apply understanding of health issues by seeking solutions through avenues such as research, experiential engagement, and innovation.
16	Prepare a personal strategy and plan for academic, career, and professional development in health science or related field.

Transition plan

N/A

The following information will help determine whether there is a budgetary impact to the proposed program changes, and what additional information and consultation will be required. Please note that all additional budgetary requests in support of the proposed program change require approval from the Dean and the Provost, and additional financial documents may be required.

The information supplied is for administrative purposes only and will not be visible to reviewers in the academic governance process (e.g., Faculty and Senate committee members).

Change in space requirements?
No

Change in equipment requirements?
No

Change in support requirements?
No

Abstract

Degree or non-degree program
Degree

Academic level
Undergraduate

Faculty
Science

Department
Biology

Program name
Bachelor of Science, Major in Health Science

Program Code
BSC_ST_HLTH

Program description
The B.Sc. in Health Science program is designed to prepare students for employment in health policy, research, management, sales, and education. The program also prepares students for entry into health professional programs and post graduate degrees in the sciences.

The objectives of the degree program are to provide graduates with:

Foundational knowledge in the basic sciences of chemistry, physics, mathematics, and biology, along with strong writing and critical thinking skills.
Skills to apply scientific knowledge to clinical, public, and population health to understand current health issues and the common approaches used to advance health and wellness.
Educational prerequisites necessary for entry into health professional programs (e.g., medicine, dentistry, pharmacy, etc.) or post-graduate studies in the sciences.
Competitive advantage to graduates choosing to pursue alternate career paths or post-graduate studies in complementary medicine (e.g., naturopathy, traditional Asian medicine).
The B.Sc. in Health Science degree is designed around required basic science and health science courses, that are complemented by health science and open electives to provide graduates with a solid science foundation, along with critical health research, communication, and management skills for future success.

Implementation date
September 2025

Proposed Program Overview

Program Structure & Delivery

Proposed credential(s) to be granted

Credential Level
Bachelor of Science

Date for next review
September 2030

Will this program include a co-operative education option?
Yes

Discipline and Program Description

Course Delivery Options

Program Delivery Options

Information for Competitive Assessment

Information for Student Demand Assessment

Information for Labour Market Assessment

Financial Assessment Background Questions

Supplementary Documents

Curriculum Map and Program Learning Outcomes
HSCI Curriculum Map - January 2025.xlsx

Key: 134

KWANTLEN POLYTECHNIC UNIVERSITY
Senate

SENATE
Agenda Number: *5.3.6*
Meeting Date: *April 27, 2026*
Presenter(s): *Catherine Schwichtenberg*

AGENDA TITLE: PROGRAM REVISION: ASSOCIATE OF SCIENCE IN MATHEMATICS

ACTION REQUESTED: Motion

RECOMMENDED RESOLUTION

THAT Senate approve the revisions to the Associate of Science in Mathematics, effective September 1, 2026.

COMMITTEE REPORT

On April 9, 2026, the Senate Standing Committee on Curriculum recommended that Senate approve the revisions to the Associate of Science in Mathematics program, effective September 1, 2026.

Approved by the Faculty of Science Curriculum Committee on March 5, 2026.

Approved by the Faculty of Science Faculty Council on March 17, 2026.

Reason for Revision

As per the Procedures of AC10, program revisions at KPU begin either 1) as actions arising from an approved Quality Assurance Plan developed through the program review process or 2) in response to specific issues whose solution cannot be delayed until a Program Review.

Please indicate which the reason for the revision

☐ Arising from an approved Quality Assurance Plan Indication date of approval

☒ Other issue Various updates needed to reflect changes including new STAT prefix, changing course offerings, and updating for clarity.

Key Messages

1. Inclusion of courses that align with the requirements of an associate degree and the program learning outcomes: HSCI 1115, HSCI 1220, INDG 1492, MATH 1135, PHYS 1400, PHYS 1500, STAT 1170, STAT 3315

2. Removal of discontinued courses: GEOG 2310, 2320, 2390
3. Removal of CPSC 1100, as it no longer supports the program learning outcomes.
4. Program Learning Outcomes added.

Consultations

1. Chairs of the Physics, Biology, Health Science and Geography departments

Attachments

1. Associate of Science in Mathematics

Submitted by

Michelle Molnar, Administrative Coordinator, University Senate

Date submitted

April 9, 2026

KPU

Viewing: AS_ST_MATH : Associate of Science in Mathematics
Last approved: Mon, 12 May 2025 21:20:32 GMT
Last edit: 2026-03-26T17:09:45Z

Changes proposed by: Virginia Vandenberg

Reviewer comments

Krista Gerlich-Fitzgerald (krista.gerlichfitzgerald) (Thu, 19 Mar 2026 00:13:36 GMT): In associate of Science: possibly remove "minimum passing grade (D or better) in each course" as it is redundant? The key factor in this is a 2.0 CGPA is required in alignment with BC Transfer agreements for Associate of Science

Krista Gerlich-Fitzgerald (krista.gerlichfitzgerald) (Thu, 19 Mar 2026 00:21:16 GMT): Associate of Science: recommend fixing headings as they do not align. Math courses shouldn't be listed under Science requirements. Headings should be: English Requirements Mathematics Requirements Science Requirements Arts Requirements Additional Requirements. This will make it clear which must be done in which areas for transferability under associate programs.

Krista Gerlich-Fitzgerald (krista.gerlichfitzgerald) (Thu, 19 Mar 2026 00:37:00 GMT): OReg Curr will send a draft for moving the Honours requirements into the the curricular requirements. As the honours page is standalone, it should be included in the main section. There is also a discrepancy in credit count. In the program it states 122-130 credits, but, the Honours text requires 132 credits.

Krista Gerlich-Fitzgerald (krista.gerlichfitzgerald) (Thu, 19 Mar 2026 00:48:58 GMT): With the reduction of breadth electives to 15 from 18, the curricular text area in both Bachelors no longer matches. Recommend building those requirements as "Buckets" which show the details on how each is made to reduce errors and redundancy.

Virginia Vandenberg (virginia.vandenberg) (Thu, 26 Mar 2026 17:30:21 GMT): Updates made to program proposals on behalf of the proponent, in response to OREG recommendations

Ashley Allison (ashley.allison) (Fri, 10 Apr 2026 15:08:14 GMT): Rollback: Still needs to pass Senate.

Overview

Status

Revision

Program proposal contact(s)

Allyson Rozell

Calendar year edition

2026-2027 ~~2025-2026~~

Overview of proposed changes

	Proposed Changes	Rationale
1	Add HSCI 1115, HSCI 1220, INDG 1492, MATH 1135, PHYS 1400, PHYS 1500, STAT 1170, STAT 3315.	New courses since last update.
2	Remove GEOG 2310, GEOG 2320, GEOG 2390.	Courses discontinued.
3	Remove CPSC 1100.	Does not support program outcomes.
4	Program learning outcomes added.	Completeness

Requirements

Admission Requirements

The Faculty's Admission Requirements, which consist of KPU's undergraduate English Proficiency Requirement (https://calendar.kpu.ca/admissions/english-proficiency-requirements/), apply to this program.

Curricular Requirements

Within the framework of the Associate of Science degree (https://calendar.kpu.ca/programs-az/science/as-degree-framework/), students must complete at least 60 credits with a minimum overall CGPA ~~GPA~~ of 2.0: ~~2.0 and a minimum passing grade (D or better) in each course:~~

Code	Title	Credits
English Requirements		
ENGL 1100	Introduction to University Writing	3
Select one additional first-year ENGL course		3

First Year Science Requirements		
CPSC 1103	Principles of Program Structure and Design I	3
Select one of the following:		3
MATH 1120	Differential Calculus	
MATH 1130	Calculus for Life Sciences I	
MATH 1140	Calculus I (Business Applications)	
MATH 1220	Integral Calculus	3
or MATH 1230	Calculus for Life Sciences II	
PHYS 1101	Physics for Life Sciences I	4
or PHYS 1120	Physics for Physical and Applied Sciences I	
Select four more first-year science courses of the following:		12-16
ASTR 1120	Introduction to Astrophysics	
BIOL 1110	Introductory Biology I	
BIOL 1210	Introductory Biology II	
CHEM 1105	Introductory Chemistry Revised Course	
CHEM 1110	The Structure of Matter Revised Course	
CHEM 1210	Chemical Energetics and Dynamics Revised Course	
~~CPSC 1100~~	~~Introduction to Computer Literacy~~	
CPSC 1204	Principles of Program Structure and Design II [2]	
GEOG 1102	Our Dynamic Earth Revised Course	
HSCI 1115	Introduction to Health Science	
HSCI 1220	Health Science Writing	
INDG 1492	Indigenous Perspectives in Biology	
MATH 1112	Pre-Calculus	
MATH 1135	Problems and Concepts [2]	
MATH 1152	Matrix Algebra for Engineers	
MATH 2721	Complex Numbers and Linear Algebra	
PHYS 1100	Introductory Physics	
PHYS 1102	Physics for Life Sciences II	
or PHYS 1220	Physics for Physical and Applied Sciences II	
PHYS 1170	Mechanics I	
PHYS 1400	Energy, Environment, Physics	
PHYS 1500	Science with AI: Methods and Applications	
STAT 1115	Statistics I [1]	
STAT 1170	Introduction to Data Science: An AI Approach [2]	
Second Year Science Requirements		
MATH 2321	Multivariate Calculus (Calculus III)	3
or MATH 2821	Multivariate and Vector Calculus	
~~Select three second-year Math courses of the following:~~		~~9-10~~
Select three second-year MATH or STAT courses of the following:		9
MATH 2232	Linear Algebra [2]	
MATH 2321	Multivariate Calculus (Calculus III)	
MATH 2331	Introduction to Analysis	
MATH 2410	Discrete Mathematics [2]	
MATH 3322	Vector Calculus (Calculus IV)	
MATH 3421	Ordinary Differential Equations	
STAT 2315	Probability and Statistics [2]	
STAT 2335	Statistics for Life Sciences [1]	
or STAT 2342	Introduction to Statistics for Business	
STAT 3315	Applied Inferential Statistics	
Select two more second-year science courses of the following:		6-8
BIOL 2320	Genetics	
BIOL 2321	Cell Biology	

BIOL 2322	Ecology
BIOL 2330	Microbiology
BIOL 2421	Cellular Biochemistry
CHEM 2311	Physical Chemistry for Life Sciences Revised Course
or CHEM 3310	Physical Chemistry Revised Course
CHEM 2315	Analytical Chemistry Revised Course
CHEM 2320	Organic Chemistry I Revised Course
CHEM 2420	Organic Chemistry II Revised Course
CPSC 2302	Data Structures and Algorithms
ENVI 2305	Environmental Toxicology Revised Course
~~GEOG 2310~~	~~Climatology Discontinued Course~~
~~GEOG 2320~~	~~Geomorphology Discontinued Course~~
~~GEOG 2390~~	~~Quantitative Methods in Geography Discontinued Course~~
GEOG 2400	Mapping and Geographic Information Systems Revised Course
PHYS 2010	Modern Physics
PHYS 2030	Classical Mechanics
PHYS 2040	Thermal Physics
PHYS 2330	Intermediate Mechanics
PHYS 2420	Electricity and Magnetism
Additional Course Requirements	
Select any two courses in Arts, not counting English	6
Select any other two university-transferable courses	6
Total Credits	**61-67**

[1] Students will receive credit for only one of STAT 1115, STAT 2335, or STAT 2342 towards an Associate of Science in Mathematics.
[2] Students intending to pursue the Bachelor of Science in Mathematics should select courses including MATH 1135, MATH 2232, MATH 2410, STAT 1170, STAT 2315, and CPSC 1204.

Credential Awarded

Upon successful completion of this program, students are eligible to receive an **Associate of Science Degree in Mathematics**.

Program Learning Outcomes

	A student who successfully completes the program will have reliably demonstrated the ability to:
1	Apply core concepts from calculus, algebra, and statistics to solve quantitative problems. ~~N/A~~
2	Represent real-world and scientific problems using mathematical tools, such as equations, functions, graphs, and data.
3	Analyze and interpret mathematical and statistical results in context.
4	Explain and justify mathematical reasoning clearly, both orally and in writing.
5	Use appropriate technology and computational tools to explore problems and analyze data.
6	Demonstrate critical thinking and effective written communication appropriate to university-level study.

Transition plan

N/A

The following information will help determine whether there is a budgetary impact to the proposed program changes, and what additional information and consultation will be required. Please note that all additional budgetary requests in support of the proposed program change require approval from the Dean and the Provost, and additional financial documents may be required.

The information supplied is for administrative purposes only and will not be visible to reviewers in the academic governance process (e.g., Faculty and Senate committee members).

Change in space requirements?

No

Change in equipment requirements?
No

Change in support requirements?
No

Abstract

Degree or non-degree program
Non-Degree

Academic level
Undergraduate

Faculty
Science

Department
Mathematics

Program name
Associate of Science in Mathematics

Program Code
AS_ST_MATH

Program description
The Associate Degree is designed to provide an educational experience that prepares students for work, citizenship and an enriched life as an educated person, and to lay a solid foundation for further study in the field of Mathematics.

Implementation date
September 2026 ~~2024~~

Proposed Program Overview

Program Structure & Delivery

Proposed credential(s) to be granted

Credential Level
Associate of Science

Date for next review
September 2031 ~~2029~~

Will this program include a co-operative education option?
No

Discipline and Program Description

Course Delivery Options

Program Delivery Options

Information for Competitive Assessment

Information for Student Demand Assessment

Information for Labour Market Assessment

Financial Assessment Background Questions

Funding

No Funding

Preferred campus delivery

Surrey

Supplementary Documents

Curriculum Map and Program Learning Outcomes

MATH Curriculum Map_Associate MATH_09 Mar 2026.xlsx

Key: 128

KWANTLEN POLYTECHNIC UNIVERSITY
Senate

SENATE
Agenda Number: *5.3.7*
Meeting Date: *April 27, 2026*
Presenter(s): *Catherine Schwichtenberg*

AGENDA TITLE: PROGRAM REVISION: MINOR IN MATHEMATICS

ACTION REQUESTED: Motion

RECOMMENDED RESOLUTION

THAT Senate approve the revisions to the Minor in Mathematics, effective September 1, 2026.

COMMITTEE REPORT

On April 8, 2026, the Senate Standing Committee on Curriculum recommended that Senate approve the revisions to the Minor in Mathematics, effective September 1, 2026.

Approved by the Faculty of Science Curriculum Committee on March 5, 2026.

Approved by the Faculty of Science Faculty Council on March 17, 2026.

Reason for Revision

As per the Procedures of AC10, program revisions at KPU begin either 1) as actions arising from an approved Quality Assurance Plan developed through the program review process or 2) in response to specific issues whose solution cannot be delayed until a Program Review.

Please indicate which the reason for the revision

☐ Arising from an approved Quality Assurance Plan Indication date of approval

☒ Other issue Various updates needed to reflect changes including new STAT prefix, changing course offerings, and updating for clarity.

Key Messages

1. MATH 1135 Problems and Concepts added as requirement as it is a prerequisite for MATH 2232.
2. Revise required credit total to 12 for 3000 level or higher to account for the addition of MATH 1135.

3. STAT courses added as options.
4. Program Learning Outcomes added.

Consultations

1. Chairs of the Physics, Biology, Health Science and Geography departments

Attachments

1. CIM Programs
   Minor in Mathematics

Submitted by

Michelle Molnar, Administrative Coordinator, University Senate

Date submitted

April 9, 2026

MATH PROGRAM UPDATES

In Workflow

1. Mathematics Chair (Allyson.Rozell@kpu.ca)
2. ST Dean (jeff.dyck@kpu.ca; brett.favaro@kpu.ca; Christina.Heinrick@kpu.ca)
3. Provost (meredith.laird@kpu.ca)
4. ORegCurrConsult (oregcurrconsult@kpu.ca)
5. Provost (meredith.laird@kpu.ca)
6. ST Curriculum Committee (richard.popoff@kpu.ca)
7. ST Council (brett.favaro@kpu.ca; Allyson.Rozell@kpu.ca)
8. ST Dean (jeff.dyck@kpu.ca; brett.favaro@kpu.ca; Christina.Heinrick@kpu.ca)
9. Senate Standing Committee on Curriculum (Michelle.Molnar@kpu.ca; Catherine.Schwichtenberg@kpu.ca)
10. Senate (Michelle.Molnar@kpu.ca; Catherine.Schwichtenberg@kpu.ca)
11. Calendar Editor (calendar.editor@kpu.ca)

Approval Path

1. 2026-03-09T21:16:29Z
   Allyson Rozell (Allyson.Rozell): Approved for Mathematics Chair
2. 2026-03-12T03:47:43Z
   Brett Favaro (brett.favaro): Approved for ST Dean
3. 2026-03-12T16:15:45Z
   Meredith Laird (meredith.laird): Approved for Provost
4. 2026-03-19T00:50:50Z
   Krista Gerlich-Fitzgerald (krista.gerlichfitzgerald): Approved for ORegCurrConsult
5. 2026-03-25T21:59:44Z
   Meredith Laird (meredith.laird): Approved for Provost
6. 2026-03-26T19:29:15Z
   Richard Popoff (Richard.Popoff): Approved for ST Curriculum Committee
7. 2026-03-26T19:30:29Z
   Allyson Rozell (Allyson.Rozell): Approved for ST Council
8. 2026-03-27T16:14:27Z
   Brett Favaro (brett.favaro): Approved for ST Dean
9. 2026-04-09T21:00:53Z
   Catherine Schwichtenberg (Catherine.Schwichtenberg): Approved for Senate Standing Committee on Curriculum
10. 2026-04-09T21:23:39Z
    Catherine Schwichtenberg (Catherine.Schwichtenberg): Approved for Senate
11. 2026-04-10T15:08:14Z
    Ashley Allison (ashley.allison): Rollback to Senate for Calendar Editor

History

1. Nov 28, 2023 by clmig-dboggess
2. Jul 10, 2024 by Ashley Allison (ashley.allison)
3. May 12, 2025 by Ashley Allison (ashley.allison)

Math program updates

Program

- AS_ST_MATH: Associate of Science in Mathematics
- BSCH_ST_MATA: Bachelor of Science (Honours), Major in Applications of Mathematics
- BSC_ST_MATA: Bachelor of Science, Major in Applications of Mathematics
- MNR_ST_MATH: Minor in Mathematics

Date Submitted: 2026-03-09T21:06:44Z

KPU

Viewing: MNR_ST_MATH : Minor in Mathematics
Last approved: Mon, 12 May 2025 21:26:47 GMT
Last edit: 2026-03-10T00:33:36Z

Changes proposed by: Allyson Rozell

Reviewer comments

Krista Gerlich-Fitzgerald (krista.gerlichfitzgerald) (Thu, 19 Mar 2026 00:13:36 GMT): In associate of Science: possibly remove "minimum passing grade (D or better) in each course" as it is redundant? The key factor in this is a 2.0 CGPA is required in alignment with BC Transfer agreements for Associate of Science

Krista Gerlich-Fitzgerald (krista.gerlichfitzgerald) (Thu, 19 Mar 2026 00:21:16 GMT): Associate of Science: recommend fixing headings as they do not align. Math courses shouldn't be listed under Science requirements. Headings should be: English Requirements Mathematics Requirements Science Requirements Arts Requirements Additional Requirements. This will make it clear which must be done in which areas for transferability under associate programs.

Krista Gerlich-Fitzgerald (krista.gerlichfitzgerald) (Thu, 19 Mar 2026 00:37:00 GMT): OReg Curr will send a draft for moving the Honours requirements into the the curricular requirements. As the honours page is standalone, it should be included in the main section. There is also a discrepancy in credit count. In the program it states 122-130 credits, but, the Honours text requires 132 credits.

Krista Gerlich-Fitzgerald (krista.gerlichfitzgerald) (Thu, 19 Mar 2026 00:48:58 GMT): With the reduction of breadth electives to 15 from 18, the curricular text area in both Bachelors no longer matches. Recommend building those requirements as "Buckets" which show the details on how each is made to reduce errors and redundancy.

Virginia Vandenberg (virginia.vandenberg) (Thu, 26 Mar 2026 17:30:21 GMT): Updates made to program proposals on behalf of the proponent, in response to OREG recommendations

Ashley Allison (ashley.allison) (Fri, 10 Apr 2026 15:08:14 GMT): Rollback: Still needs to pass Senate.

Overview

Program proposal contact(s)

Allyson Rozell

Calendar year edition

2026-2027 ~~2025-2026~~

Overview of proposed changes

	Proposed Changes	Rationale
1	Add MATH 1135 Problems and Concepts as requirement.	Required prerequisite for MATH 2232.
2	Revise required credit total to 12 for 3000 level or higher.	To account for change #1.
3	Add STAT as an option for 3000 level or higher courses.	STAT is a recently added designation.
4	Program learning outcomes added	Completeness.

Requirements

Admission Requirements

Students pursuing a Minor in Mathematics must be admitted to KPU for undergraduate studies.

Declaration Requirements

Students pursuing this minor must declare their intention prior to graduation. A minor may only be declared as part of a bachelor's degree.

Curricular Requirements

Students are required to complete 30 credits of mathematics courses, as follows:

Code	Title	Credits
Select one of the following: [1]		3
MATH 1120	Differential Calculus	
MATH 1130	Calculus for Life Sciences I	
MATH 1140	Calculus I (Business Applications)	
Select one of the following: [1]		3

MATH 1220	Integral Calculus	
MATH 1230	Calculus for Life Sciences II	
Select one of the following: [1]		3
STAT 2315	Probability and Statistics	
STAT 2335	Statistics for Life Sciences	
STAT 2342	Introduction to Statistics for Business	
MATH 1135	Problems and Concepts	3
MATH 2232	Linear Algebra	3
MATH 2321	Multivariate Calculus (Calculus III)	3
~~Select 15 credits of courses in MATH at the 3000 level or higher~~		~~15~~
Select 12 credits of courses in MATH or STAT at the 3000 level or higher		12
Total Credits		**30**

[1] Credit will not be granted for more than one of the courses in each group.

Note: Students planning to enter an Education program at another institution are advised to check the requirements of that institution, as additional credits may be required.

Credential Awarded

Upon successful completion of the minor as part of a bachelor's degree program, transcripts will indicate a **Minor in Mathematics**.

Program Learning Outcomes

	A student who successfully completes the program will have reliably demonstrated the ability to:
1	Apply foundational mathematical concepts and techniques from calculus, algebra, and/or statistics to solve problems in academic, professional, and real-world contexts. ~~N/A~~
2	Translate problems into mathematical representations, including equations, functions, graphs, and data-based models.
3	Analyze and interpret quantitative information, including symbolic expressions, graphical representations, and statistical results.
4	Use logical reasoning and mathematical argumentation to justify solutions and communicate conclusions clearly and precisely.
5	Employ appropriate mathematical tools and technology (e.g., computational software, graphing tools, statistical packages) to explore and solve problems.
6	Demonstrate quantitative literacy by evaluating assumptions, recognizing limitations of models, and interpreting results within context.

Transition plan

N/A

The following information will help determine whether there is a budgetary impact to the proposed program changes, and what additional information and consultation will be required. Please note that all additional budgetary requests in support of the proposed program change require approval from the Dean and the Provost, and additional financial documents may be required.

The information supplied is for administrative purposes only and will not be visible to reviewers in the academic governance process (e.g., Faculty and Senate committee members).

Change in space requirements?

No

Change in equipment requirements?

No

Change in support requirements?

No

Abstract

Degree or non-degree program
Non-Degree

Academic level
Undergraduate

Faculty
Science

Department
Mathematics

Program name
Minor in Mathematics

Program Code
MNR_ST_MATH

Program description
The study of mathematics requires a high degree of technical skill in specific areas, but, often more importantly, also demonstrates a well developed sense of logical reasoning which can be applied to many different areas. The Minor in Mathematics allows a student the option of completing a Bachelor's degree in another subject area and still demonstrating the depth of their abstract reasoning and numerical skills by adding on a designation in mathematics. This will be helpful for any students who are planning professional careers for which a sound foundation in formal or mathematical reasoning is required as well as for students with a specific interest in mathematics.

The Minor in Mathematics, used as part of the Bachelor of Arts (Double Minor) with a second teachable minor, is well suited for students who plan to enter a post-baccalaureate education program, with mathematics as one of their teachable subjects.

Implementation date
September 2026 ~~2024~~

Proposed Program Overview

Program Structure & Delivery

Date for next review
September 2031 ~~2029~~

Will this program include a co-operative education option?
No

Discipline and Program Description

Course Delivery Options

Program Delivery Options

Information for Competitive Assessment

Information for Student Demand Assessment

Information for Labour Market Assessment

Financial Assessment Background Questions

Funding

No Funding

Preferred campus delivery

Surrey

Supplementary Documents

Curriculum Map and Program Learning Outcomes

MATH Curriculum Map_Minor MATH_09 Mar 2026.xlsx

Key: 151

History

1. Nov 28, 2023 by clmig-dboggess
2. Jul 9, 2024 by Ashley Allison (ashley.allison)
3. Sep 6, 2024 by Ashley Allison (ashley.allison)
4. May 12, 2025 by Ashley Allison (ashley.allison)

Viewing: BSC_ST_MATA : Bachelor of Science, Major in Applications of Mathematics

Last approved: Mon, 12 May 2025 21:22:46 GMT

Last edit: 2026-03-24T22:53:07Z

Changes proposed by: Virginia Vandenberg

Determination of new degree?

No

Overview

Program proposal contact(s)

Allyson Rozell

Calendar year edition

2026-2027 ~~2025-2026~~

Overview of proposed changes

	Proposed Changes	Rationale
1	Add STAT 1170 as requirement for all concentrations. Also requires adjusting the number of general elective requirements (down by 3) for each concentration	This course equips students with data science and AI skills aligned with current applied mathematics practice.
2	Add STAT as alternate to MATH when referring to collective offerings.	Updated to accommodate new prefix.
3	Add in updated program learning outcomes.	For completion and more clarity.
4	Reduced excessive general electives: - reduced elective credits from courses at the 1100 level or higher in Biomathematics concentration from 15 to 9 credits - reduced elective credits from courses at the 1100 level or higher in Mathematics Education concentration from 24 to 21 credits	To allow students to finish more quickly.

Requirements

Admission Requirements

Students pursuing a Major in Applications of Mathematics must be admitted to the Faculty of Science (https://calendar.kpu.ca/programs-az/science/admission-requirements/).

Declaration Requirements

Students intending to graduate with this Faculty of Science degree must declare the credential by the time they complete 60 credits of undergraduate coursework. At the time of declaration, the student must satisfy all of the following requirements:

- In good academic standing with the University
- Completion of a minimum of 24 credits of undergraduate coursework
- Completion of MATH 1220 with a minimum grade of "C" or MATH 1230 with a minimum grade of "C+"

Curricular Requirements

All students must meet the following minimum requirements:

- 120 credits from courses at the 1100 level or higher.
- 45 credits from a minimum of 15 courses at the 3000 level or higher, including 9 credits at the 4000 level.
- 18 credits of breadth electives including:

- at least 12 credits from courses that are offered outside the Faculty of Science; and
- up to 6 credits from fields of science not prescribed in the Major requirements; and
- 3 credits from a course at the 3000 level or higher.

- Cumulative GPA of 2.0 or higher.
- At least 50% of all courses for the BSc, and at least 66% of upper-level courses for the BSc, must be completed at KPU.

The Applications of Mathematics Major requires the completion of the following Core Requirements, as well as the requirements of one of the three concentrations below.

Core Requirements

Code	Title	Credits
MATH 1135	Problems and Concepts	3
Select one of the following:		3
MATH 1120	Differential Calculus	
MATH 1130	Calculus for Life Sciences I	
MATH 1140	Calculus I (Business Applications)	
MATH 1220	Integral Calculus	3
or MATH 1230	Calculus for Life Sciences II	
Select one of the following:		3
ENGL 1202	Reading and Writing About Selected Topics: An Introduction to Literature	
ENGL 1204	Reading and Writing About Genre: An Introduction to Literature	
A course approved to meet the writing-intensive requirement for KPU credentials		
PHYS 1101	Physics for Life Sciences I	4
or PHYS 1120	Physics for Physical and Applied Sciences I	
BIOL 1110	Introductory Biology I	4
or CHEM 1110	The Structure of Matter Revised Course	
CPSC 1103	Principles of Program Structure and Design I	3
CPSC 1204	Principles of Program Structure and Design II	3
ENGL 1100	Introduction to University Writing	3
MATH 2232	Linear Algebra	3
MATH 2321	Multivariate Calculus (Calculus III)	3
MATH 2410	Discrete Mathematics	3
MATH 3120	Introduction to Applied Mathematics	3
MATH 3421	Ordinary Differential Equations	3
MATH 4240	Mathematical Modelling	3
STAT 1170	Introduction to Data Science: An AI Approach	3
STAT 2315	Probability and Statistics	3
STAT 3315	Applied Inferential Statistics	3
Select one of the three Concentrations listed below		64-68

Concentrations

Biomathematics Concentration Requirements

Code	Title	Credits
BIOL 1110	Introductory Biology I	4
BIOL 1210	Introductory Biology II	4
BIOL 2322	Ecology	4
CHEM 1110	The Structure of Matter Revised Course	4
~~Select 18 credits from courses at the 1100 level or higher~~		~~18~~
Select 9 credits from courses at the 1100 level or higher		9
Select 3 credits from a course at the 1100 level or higher in any area of study except BIOL, CHEM, MATH, PHYS, or STAT		3
Select 3 credits from a course in BIOL at the 2000 level or higher		3
BIOL 2320	Genetics	4
or BIOL 2321	Cell Biology	
MATH 3140	Mathematical Computing	3
MATH 4210	Biomathematics	3

Select 9 credits from courses at the 3000 level or higher	9
Select 3 credits from a course at the 3000 level or higher in any area of study except BIOL, CHEM, MATH, PHYS, or STAT	3
Select 6 credits from courses in BIOL at the 3000 level or higher [1]	6
Select 3 credits from a course in MATH or STAT at the 3000 level or higher [2]	3
Select 6 credits from courses in MATH or STAT at the 4000 level [3]	6

1 BIOL 3165 and BIOL 3320 are recommended.
2 Except MATH 3130 or MATH 4130
3 Except MATH 4130

Computational Mathematics Concentration Requirements
It is recommended that students choose sufficient electives from the physical sciences (Physics and Chemistry), computer science, or economics and business to provide expertise in an area of application.

Code	Title	Credits
CPSC 2302	Data Structures and Algorithms	3
MATH 2331	Introduction to Analysis	3
MATH 3110	Simulation Modeling	3
MATH 3140	Mathematical Computing	3
MATH 4220	Numerical Methods Revised Course	3
~~Select 18 credits from courses at the 1100 level or higher~~		~~18~~
Select 15 credits from courses at the 1100 level or higher		15
Select 9 credits from courses at the 1100 level or higher in any area of study except BIOL, CHEM, MATH, PHYS, or STAT		9
Select 9 credits from courses at the 3000 level or higher		9
Select 9 credits from courses in MATH or STAT at the 3000 level or higher [1]		9
Select 3 credits from a course at the 3000 level or higher in any area of study except BIOL, CHEM, MATH, PHYS, or STAT		3
Select 6 credits from courses in MATH or STAT at the 4000 level [2]		6

1 Except MATH 3130 or MATH 4130
2 Except MATH 4130

Mathematics Education Concentration Requirements
It is recommended that students wishing to teach secondary level mathematics also prepare in a second teachable area; check the requirements of the institution that offers the desired education program.

Code	Title	Credits
PHYS 1102	Physics for Life Sciences II	4
or PHYS 1220	Physics for Physical and Applied Sciences II	
EDUC 2220	Introduction to Educational Psychology	3
MATH 2331	Introduction to Analysis	3
MATH 3130	Introduction to the Mathematics Classroom Revised Course	3
MATH 3150	The Structure of Mathematics	3
MATH 3250	Geometry	3
MATH 3322	Vector Calculus (Calculus IV)	3
MATH 3450	History of Mathematics Revised Course	3
MATH 4130	Theory of Mathematics Education Revised Course	3
~~Select 27 credits from courses at the 1100 level or higher~~		~~27~~
Select 21 credits from courses at the 1100 level or higher		21
Select 6 credits from courses at the 3000 level or higher		6
Select 3 credits from a course at the 3000 level or higher in any area of study except BIOL, CHEM, MATH, PHYS, or STAT (EDUC recommended)		3
Select 3 credits from a course in MATH or STAT at the 3000 level or higher		3
Select 3 credits from a course in MATH or STAT at the 4000 level		3

Total Credits

Code	Title	Credits
		120-124

Credential Awarded

Upon successful completion of the major program students are eligible to receive a **Bachelor of Science**. Transcripts will indicate a **Major in Applications of Mathematics**.

Program Learning Outcomes

	A student who successfully completes the program will have reliably demonstrated the ability to:
1	Communicate mathematical ideas and arguments effectively across various audiences and in multiple formats (written, oral, visual, and digital). ~~N/A~~
2	Formulate and solve complex problems using mathematical and analytical reasoning in academic and applied contexts.
3	Use appropriate technology and software tools (e.g., programming languages, statistical software, modeling platforms) to support mathematical problem-solving and data analysis.
4	Apply mathematical knowledge to real-world and interdisciplinary problems, including in workplace, scientific, educational, and technological settings.
5	Use quantitative and analytical methods to support evidence-based decision making.
6	(Math Education) Plan and deliver effective mathematics instruction using pedagogical best practices and reflective teaching strategies.
7	(Biomath) Demonstrate a foundational understanding of biological systems, including plant and animal biology.
8	(Biomath) Apply mathematical tools to model and analyze biological phenomena across multiple levels of biological organization.

Transition plan

N/A

The following information will help determine whether there is a budgetary impact to the proposed program changes, and what additional information and consultation will be required. Please note that all additional budgetary requests in support of the proposed program change require approval from the Dean and the Provost, and additional financial documents may be required.

The information supplied is for administrative purposes only and will not be visible to reviewers in the academic governance process (e.g., Faculty and Senate committee members).

Change in space requirements?

No

Change in equipment requirements?

No

Change in support requirements?

No

Abstract

Degree or non-degree program

Degree

Academic level

Undergraduate

Faculty

Science

Department

Mathematics

Program name

Bachelor of Science, Major in Applications of Mathematics

Program Code
BSC_ST_MATA

Program description
In the BSc in Applications of Mathematics program, traditional mathematics courses are combined with specialized courses that enable students to apply their mathematical skills in diverse fields, providing a broad range of options for careers or further education. Students can choose from among three concentrations, Biomathematics, Computational Mathematics and Mathematics Education, that are not readily available at the undergraduate level elsewhere in Canada.

Implementation date
September 2026 ~~2024~~

Proposed Program Overview

Program Structure & Delivery

Proposed credential(s) to be granted

Credential Level
Bachelor of Science

Date for next review
September 2031 ~~2029~~

Will this program include a co-operative education option?
No

Discipline and Program Description

Course Delivery Options

Program Delivery Options

Information for Competitive Assessment

Information for Student Demand Assessment

Information for Labour Market Assessment

Financial Assessment Background Questions

Funding
No Funding

Preferred campus delivery
Surrey

Supplementary Documents

Curriculum Map and Program Learning Outcomes
MATH Curriculum Map_BS MATH_09 Mar 2026.xlsx

Key: 135

KPU

History

1. Nov 28, 2023 by clmig-dboggess
2. Jul 9, 2024 by Ashley Allison (ashley.allison)
3. Sep 6, 2024 by Ashley Allison (ashley.allison)
4. May 12, 2025 by Ashley Allison (ashley.allison)

Viewing: BSCH_ST_MATA : Bachelor of Science (Honours), Major in Applications of Mathematics

Last approved: Mon, 12 May 2025 21:24:40 GMT

Last edit: 2026-03-26T15:39:01Z

Changes proposed by: Virginia Vandenberg

Overview

Program proposal contact(s)

Allyson Rozell

Calendar year edition

2026-2027 ~~2025-2026~~

Overview of proposed changes

	Proposed Changes	Rationale
1	Add STAT 1170 as requirement for all concentrations. Also requires adjusting the number of general elective requirements (down by 3) for each concentration	This course equips students with data science and AI skills aligned with current applied mathematics practice.
2	Add STAT as alternate to MATH when referring to collective offerings.	Updated to accommodate new prefix.
3	Add in updated program learning outcomes.	For completion and more clarity.
4	Added Honours Eligibility to the top of calendar entry and move MATH 4350 Senior Project to Core Requirements section.	For clarity.
5	Reduced excessive general electives: - Biomathematics Concentration - remove 15 credits of 1100 or higher electives and increase MATH or STAT at 3000 level or higher from 3 to 9 credits. - Mathematics Education Concentration: - reduce 24 credits of 1100 or higher to 21 credits and increase MATH or STAT at 3000 level or higher from 3 to 6 credits	To allow students to finish more quickly.

Requirements

Admission Requirements

Students pursuing a Major in Applications of Mathematics must be admitted to the Faculty of Science (https://calendar.kpu.ca/programs-az/science/admission-requirements/).

Honours Eligibility

Eligibility for the Bachelor of Science (Honours), Major in Applications of Mathematics program is restricted to students declared in the BSc program and requires permission of the department. To apply, students must have completed a minimum of 75 credits at the 1100 level or higher, and 6 program credits at the 3000 level or higher. Candidates should hold a Program Grade Point Average (PGPA) of 3.0 (or give a detailed justification for lower PGPA), and submit an application package to be reviewed by the Department of Mathematics.

~~Declaration Requirements~~

~~Students intending to graduate with this Faculty of Science degree must declare the credential by the time they complete 60 credits of undergraduate coursework. At the time of declaration, the student must satisfy all of the following requirements:~~

- ~~In good academic standing with the University~~
- ~~Completion of a minimum of 24 credits of undergraduate coursework~~
- ~~Completion of MATH 1220 with a minimum grade of "C" or MATH 1230 with a minimum grade of "C+"~~

Curricular Requirements

All students must meet the following minimum requirements:

- 120 credits from courses at the 1100 level or higher.
- 45 credits from a minimum of 15 courses at the 3000 level or higher, including 9 credits at the 4000 level.
- 18 credits of breadth electives including:
  - at least 12 credits from courses that are offered outside the Faculty of Science; and
  - up to 6 credits from fields of science not prescribed in the Major requirements; and
  - 3 credits from a course at the 3000 level or higher.
- Cumulative GPA of 2.0 or higher.
- At least 50% of all courses for the BSc, and at least 66% of upper-level courses for the BSc, must be completed at KPU.

The Applications of Mathematics Major requires the completion of the following Core Requirements, as well as the requirements of one of the three concentrations below.

Honours students will need to complete a total of 36 credits from courses in MATH or STAT numbered 3000 or higher, excluding MATH 3130 and MATH 4130.

Honours students must complete 124 credits overall and maintain a PGPA of 3.0, with a minimum grade of B in those MATH or STAT courses numbered 3000 or higher used to satisfy the degree requirements.

Core Requirements

Code	Title	Credits
MATH 1135	Problems and Concepts	3
Select one of the following:		3
MATH 1120	Differential Calculus	
MATH 1130	Calculus for Life Sciences I	
MATH 1140	Calculus I (Business Applications)	
MATH 1220	Integral Calculus	3
or MATH 1230	Calculus for Life Sciences II	
Select one of the following:		3
ENGL 1202	Reading and Writing About Selected Topics: An Introduction to Literature	
ENGL 1204	Reading and Writing About Genre: An Introduction to Literature	
A course approved to meet the writing-intensive requirement for KPU credentials		
PHYS 1101	Physics for Life Sciences I	4
or PHYS 1120	Physics for Physical and Applied Sciences I	
BIOL 1110	Introductory Biology I	4
or CHEM 1110	The Structure of Matter Revised Course	
CPSC 1103	Principles of Program Structure and Design I	3
CPSC 1204	Principles of Program Structure and Design II	3
ENGL 1100	Introduction to University Writing	3
MATH 2232	Linear Algebra	3
MATH 2321	Multivariate Calculus (Calculus III)	3
MATH 2410	Discrete Mathematics	3
MATH 3120	Introduction to Applied Mathematics	3
MATH 3421	Ordinary Differential Equations	3
MATH 4240	Mathematical Modelling	3
MATH 4350	Senior Project	3
STAT 1170	Introduction to Data Science: An AI Approach	3
STAT 2315	Probability and Statistics	3
STAT 3315	Applied Inferential Statistics	3
Select one of the three Concentrations listed below		65-67

Concentrations

Biomathematics Concentration Requirements

Code	Title	Credits
BIOL 1110	Introductory Biology I	4
BIOL 1210	Introductory Biology II	4

BIOL 2322	Ecology	4
CHEM 1110	The Structure of Matter Revised Course	4
~~Select 18 credits from courses at the 1100 level or higher~~		~~18~~
Select 3 credits from a course at the 1100 level or higher in any area of study except BIOL, CHEM, MATH, PHYS, or STAT		3
Select 3 credits from a course in BIOL at the 2000 level or higher		3
BIOL 2320	Genetics	4
or BIOL 2321	Cell Biology	
MATH 3140	Mathematical Computing	3
MATH 4210	Biomathematics	3
Select 9 credits from courses at the 3000 level or higher		9
Select 3 credits from a course at the 3000 level or higher in any area of study except BIOL, CHEM, MATH, PHYS, or STAT		3
Select 6 credits from courses in BIOL at the 3000 level or higher [1]		6
~~Select 3 credits from a course in MATH at the 3000 level or higher~~ [2]		~~3~~
Select 9 credits from a course in MATH or STAT at the 3000 level or higher [2]		9
Select 6 credits from courses in MATH or STAT at the 4000 level [3]		6

1 BIOL 3165 and BIOL 3320 are recommended.
2 Except MATH 3130 or MATH 4130
3 Except MATH 4130

Computational Mathematics Concentration Requirements
It is recommended that students choose sufficient electives from the physical sciences (Physics and Chemistry), computer science, or economics and business to provide expertise in an area of application.

Code	Title	Credits
CPSC 2302	Data Structures and Algorithms	3
MATH 2331	Introduction to Analysis	3
MATH 3110	Simulation Modeling	3
MATH 3140	Mathematical Computing	3
MATH 4220	Numerical Methods Revised Course	3
~~Select 18 credits from courses at the 1100 level or higher~~		~~18~~
Select 15 credits from courses at the 1100 level or higher		15
Select 9 credits from courses at the 1100 level or higher in any area of study except BIOL, CHEM, MATH, PHYS, or STAT		9
Select 9 credits from courses at the 3000 level or higher		9
Select 9 credits from courses in MATH or STAT at the 3000 level or higher [1]		9
Select 3 credits from a course at the 3000 level or higher in any area of study except BIOL, CHEM, MATH, PHYS, or STAT		3
Select 6 credits from courses in MATH or STAT at the 4000 level [2]		6

1 Except MATH 3130 or MATH 4130
2 Except MATH 4130

Mathematics Education Concentration Requirements
It is recommended that students wishing to teach secondary level mathematics also prepare in a second teachable area; check the requirements of the institution that offers the desired education program.

Code	Title	Credits
PHYS 1102	Physics for Life Sciences II	4
or PHYS 1220	Physics for Physical and Applied Sciences II	
EDUC 2220	Introduction to Educational Psychology	3
MATH 2331	Introduction to Analysis	3
MATH 3130	Introduction to the Mathematics Classroom Revised Course	3
MATH 3150	The Structure of Mathematics	3
MATH 3250	Geometry	3
MATH 3322	Vector Calculus (Calculus IV)	3
MATH 3450	History of Mathematics Revised Course	3
MATH 4130	Theory of Mathematics Education Revised Course	3

~~Select 27 credits from courses at the 1100 level or higher~~	~~27~~
Select 21 credits from courses at the 1100 level or higher	21
Select 6 credits from courses at the 3000 level or higher	6
Select 3 credits from a course at the 3000 level or higher in any area of study except BIOL, CHEM, MATH, PHYS, or STAT (EDUC recommended)	3
Select 6 credits from a course in MATH or STAT at the 3000 level or higher	6
Select 3 credits from a course in MATH or STAT at the 4000 level	3
~~Select 3 credits from a course in MATH at the 4000 level~~	~~3~~

Total Credits

Code	Title	Credits
		124-126

~~Honours~~

~~In addition to meeting the requirements listed above for the Major, Honours students will need to complete MATH 4350 as part of a total of 36 credits from courses in MATH numbered 3000 or higher, excluding MATH 3130 and MATH 4130.~~

~~Honours students must complete 132 credits overall and maintain a Program Grade Point Average (PGPA) of 3.0, with a minimum grade of B in those MATH courses numbered 3000 or higher used to satisfy the degree requirements.~~

~~To qualify for the Applications of Mathematics Honours degree, students must have been admitted to the Honours program prior to earning the Applications of Mathematics degree. Students may receive either the Applications of Mathematics degree or the Applications of Mathematics Honours degree, but not both.~~

Credential Awarded

Upon successful completion of the honours program, students are eligible to receive a **Bachelor of Science (Honours)**. Transcripts will indicate **Major in Applications of Mathematics**.

Program Learning Outcomes

	A student who successfully completes the program will have reliably demonstrated the ability to:
1	Communicate mathematical ideas and arguments effectively across various audiences and in multiple formats (written, oral, visual, and digital). ~~N/A~~
2	Formulate and solve complex problems using mathematical and analytical reasoning in academic and applied contexts.
3	Use appropriate technology and software tools (e.g., programming languages, statistical software, modeling platforms) to support mathematical problem-solving and data analysis.
4	Apply mathematical knowledge to real-world and interdisciplinary problems, including in workplace, scientific, educational, and technological settings.
5	Use quantitative and analytical methods to support evidence-based decision making.
6	(Math Education) Plan and deliver effective mathematics instruction using pedagogical best practices and reflective teaching strategies.
7	(Biomath) Demonstrate a foundational understanding of biological systems, including plant and animal biology.
8	(Biomath) Apply mathematical tools to model and analyze biological phenomena across multiple levels of biological organization.

Transition plan

N/A

The following information will help determine whether there is a budgetary impact to the proposed program changes, and what additional information and consultation will be required. Please note that all additional budgetary requests in support of the proposed program change require approval from the Dean and the Provost, and additional financial documents may be required.

The information supplied is for administrative purposes only and will not be visible to reviewers in the academic governance process (e.g., Faculty and Senate committee members).

Change in space requirements?

No

Change in equipment requirements?

No

Change in support requirements?
No

Abstract

Degree or non-degree program
Degree

Academic level
Undergraduate

Faculty
Science

Department
Mathematics

Program name
Bachelor of Science (Honours), Major in Applications of Mathematics

Program Code
BSCH_ST_MATA

Program description
In the BSc in Applications of Mathematics program, traditional mathematics courses are combined with specialized courses that enable students to apply their mathematical skills in diverse fields, providing a broad range of options for careers or further education. Students can choose from among three concentrations, Biomathematics, Computational Mathematics and Mathematics Education, that are not readily available at the undergraduate level elsewhere in Canada.

Implementation date
September 2026 ~~2024~~

Proposed Program Overview

Program Structure & Delivery

Proposed credential(s) to be granted

Credential Level
Bachelor of Science (Honours)

Date for next review
September 2031 ~~2029~~

Will this program include a co-operative education option?
No

Discipline and Program Description

Course Delivery Options

Program Delivery Options

Information for Competitive Assessment

Information for Student Demand Assessment

Information for Labour Market Assessment

Financial Assessment Background Questions

Funding

No Funding

Preferred campus delivery

Surrey

Supplementary Documents

Curriculum Map and Program Learning Outcomes

MATH Curriculum Map_BS MATH Honours_09 Mar 2026.xlsx

Key: 139

History

1. Nov 28, 2023 by clmig-dboggess
2. Jul 9, 2024 by Ashley Allison (ashley.allison)
3. May 12, 2025 by Ashley Allison (ashley.allison)
4. May 12, 2025 by Ashley Allison (ashley.allison)

Viewing: AS_ST_MATH : Associate of Science in Mathematics

Last approved: Mon, 12 May 2025 21:20:32 GMT

Last edit: 2026-03-26T17:09:45Z

Changes proposed by: Virginia Vandenberg

Overview

Program proposal contact(s)

Allyson Rozell

Calendar year edition

2026-2027 ~~2025-2026~~

Overview of proposed changes

	Proposed Changes	Rationale
1	Add HSCI 1115, HSCI 1220, INDG 1492, MATH 1135, PHYS 1400, PHYS 1500, STAT 1170, STAT 3315.	New courses since last update.
2	Remove GEOG 2310, GEOG 2320, GEOG 2390.	Courses discontinued.
3	Remove CPSC 1100.	Does not support program outcomes.
4	Program learning outcomes added.	Completeness

Requirements

Admission Requirements

The Faculty's Admission Requirements, which consist of KPU's undergraduate English Proficiency Requirement (https://calendar.kpu.ca/admissions/english-proficiency-requirements/), apply to this program.

Curricular Requirements

Within the framework of the Associate of Science degree (https://calendar.kpu.ca/programs-az/science/as-degree-framework/), students must complete at least 60 credits with a minimum overall CGPA ~~GPA~~ of 2.0: ~~2.0 and a minimum passing grade (D or better) in each course:~~

Code	Title	Credits
English Requirements		
ENGL 1100	Introduction to University Writing	3
Select one additional first-year ENGL course		3
First Year Science Requirements		
CPSC 1103	Principles of Program Structure and Design I	3
Select one of the following:		3
MATH 1120	Differential Calculus	
MATH 1130	Calculus for Life Sciences I	
MATH 1140	Calculus I (Business Applications)	
MATH 1220	Integral Calculus	3
or MATH 1230	Calculus for Life Sciences II	
PHYS 1101	Physics for Life Sciences I	4
or PHYS 1120	Physics for Physical and Applied Sciences I	
Select four more first-year science courses of the following:		12-16
ASTR 1120	Introduction to Astrophysics	
BIOL 1110	Introductory Biology I	
BIOL 1210	Introductory Biology II	

CHEM 1105	Introductory Chemistry Revised Course	
CHEM 1110	The Structure of Matter Revised Course	
CHEM 1210	Chemical Energetics and Dynamics Revised Course	
~~CPSC 1100~~	~~Introduction to Computer Literacy~~	
CPSC 1204	Principles of Program Structure and Design II [2]	
GEOG 1102	Our Dynamic Earth Revised Course	
HSCI 1115	Introduction to Health Science	
HSCI 1220	Health Science Writing	
INDG 1492	Indigenous Perspectives in Biology	
MATH 1112	Pre-Calculus	
MATH 1135	Problems and Concepts [2]	
MATH 1152	Matrix Algebra for Engineers	
MATH 2721	Complex Numbers and Linear Algebra	
PHYS 1100	Introductory Physics	
PHYS 1102	Physics for Life Sciences II	
or PHYS 1220	Physics for Physical and Applied Sciences II	
PHYS 1170	Mechanics I	
PHYS 1400	Energy, Environment, Physics	
PHYS 1500	Science with AI: Methods and Applications	
STAT 1115	Statistics I [1]	
STAT 1170	Introduction to Data Science: An AI Approach [2]	
Second Year Science Requirements		
MATH 2321	Multivariate Calculus (Calculus III)	3
or MATH 2821	Multivariate and Vector Calculus	
~~Select three second-year Math courses of the following:~~		~~9-10~~
Select three second-year MATH or STAT courses of the following:		9
MATH 2232	Linear Algebra [2]	
MATH 2321	Multivariate Calculus (Calculus III)	
MATH 2331	Introduction to Analysis	
MATH 2410	Discrete Mathematics [2]	
MATH 3322	Vector Calculus (Calculus IV)	
MATH 3421	Ordinary Differential Equations	
STAT 2315	Probability and Statistics [2]	
STAT 2335	Statistics for Life Sciences [1]	
or STAT 2342	Introduction to Statistics for Business	
STAT 3315	Applied Inferential Statistics	
Select two more second-year science courses of the following:		6-8
BIOL 2320	Genetics	
BIOL 2321	Cell Biology	
BIOL 2322	Ecology	
BIOL 2330	Microbiology	
BIOL 2421	Cellular Biochemistry	
CHEM 2311	Physical Chemistry for Life Sciences Revised Course	
or CHEM 3310	Physical Chemistry Revised Course	
CHEM 2315	Analytical Chemistry Revised Course	
CHEM 2320	Organic Chemistry I Revised Course	
CHEM 2420	Organic Chemistry II Revised Course	
CPSC 2302	Data Structures and Algorithms	
ENVI 2305	Environmental Toxicology Revised Course	
~~GEOG 2310~~	~~Climatology Discontinued Course~~	
~~GEOG 2320~~	~~Geomorphology Discontinued Course~~	
~~GEOG 2390~~	~~Quantitative Methods in Geography Discontinued Course~~	
GEOG 2400	Mapping and Geographic Information Systems Revised Course	

PHYS 2010	Modern Physics	
PHYS 2030	Classical Mechanics	
PHYS 2040	Thermal Physics	
PHYS 2330	Intermediate Mechanics	
PHYS 2420	Electricity and Magnetism	
Additional Course Requirements		
Select any two courses in Arts, not counting English		6
Select any other two university-transferable courses		6
Total Credits		**61-67**

[1] Students will receive credit for only one of STAT 1115, STAT 2335, or STAT 2342 towards an Associate of Science in Mathematics.
[2] Students intending to pursue the Bachelor of Science in Mathematics should select courses including MATH 1135, MATH 2232, MATH 2410, STAT 1170, STAT 2315, and CPSC 1204.

Credential Awarded

Upon successful completion of this program, students are eligible to receive an **Associate of Science Degree in Mathematics**.

Program Learning Outcomes

	A student who successfully completes the program will have reliably demonstrated the ability to:
1	Apply core concepts from calculus, algebra, and statistics to solve quantitative problems. ~~N/A~~
2	Represent real-world and scientific problems using mathematical tools, such as equations, functions, graphs, and data.
3	Analyze and interpret mathematical and statistical results in context.
4	Explain and justify mathematical reasoning clearly, both orally and in writing.
5	Use appropriate technology and computational tools to explore problems and analyze data.
6	Demonstrate critical thinking and effective written communication appropriate to university-level study.

Transition plan

N/A

The following information will help determine whether there is a budgetary impact to the proposed program changes, and what additional information and consultation will be required. Please note that all additional budgetary requests in support of the proposed program change require approval from the Dean and the Provost, and additional financial documents may be required.

The information supplied is for administrative purposes only and will not be visible to reviewers in the academic governance process (e.g., Faculty and Senate committee members).

Change in space requirements?

No

Change in equipment requirements?

No

Change in support requirements?

No

Abstract

Degree or non-degree program

Non-Degree

Academic level

Undergraduate

Faculty

Science

Department
Mathematics

Program name
Associate of Science in Mathematics

Program Code
AS_ST_MATH

Program description
The Associate Degree is designed to provide an educational experience that prepares students for work, citizenship and an enriched life as an educated person, and to lay a solid foundation for further study in the field of Mathematics.

Implementation date
September 2026 ~~2024~~

Proposed Program Overview

Program Structure & Delivery

Proposed credential(s) to be granted

Credential Level
Associate of Science

Date for next review
September 2031 ~~2029~~

Will this program include a co-operative education option?
No

Discipline and Program Description

Course Delivery Options

Program Delivery Options

Information for Competitive Assessment

Information for Student Demand Assessment

Information for Labour Market Assessment

Financial Assessment Background Questions

Funding
No Funding

Preferred campus delivery
Surrey

Supplementary Documents

Curriculum Map and Program Learning Outcomes
MATH Curriculum Map_Associate MATH_09 Mar 2026.xlsx

Key: 128

KWANTLEN POLYTECHNIC UNIVERSITY
Senate

SENATE
Agenda Number: *5.3.8*
Meeting Date: *Monday, April 27, 2026*
Presenter(s): *Catherine Schwichtenberg*

AGENDA TITLE: PROGRAM REVISIONS: BACHELOR OF SCIENCE, MAJOR IN APPLICATIONS OF MATHEMATICS; BACHELOR OF SCIENCE (HONOURS), MAJOR IN APPLICATIONS OF MATHEMATICS

ACTION REQUESTED: Motion

RECOMMENDED RESOLUTION

THAT Senate approve the revisions to the following programs, effective September 1, 2026.

- **Bachelor of Science, Major in Applications of Mathematics**
- **Bachelor of Science (Honours), Major in Applications of Mathematics**

COMMITTEE REPORT

On April 8, 2026, the Senate Standing Committee on Curriculum recommended that Senate approve the revisions to the following programs, effective September 1, 2026:

- Bachelor of Science, Major in Applications of Mathematics
- Bachelor of Science (Honours), Major in Applications of Mathematics

Approved by the Faculty of Science Curriculum Committee on March 5, 2026.

Approved by the Faculty of Science Faculty Council on March 17, 2026.

Reason for Revision

As per the Procedures of AC10, program revisions at KPU begin either 1) as actions arising from an approved Quality Assurance Plan developed through the program review process or 2) in response to specific issues whose solution cannot be delayed until a Program Review.

Please indicate which the reason for the revision

☐ Arising from an approved Quality Assurance Plan Indication date of approval

☒ Other issue Various updates needed to reflect changes including new STAT prefix, changing course offerings, and updating for clarity.

Key Messages

1. STAT 1170 has been added as a requirement for all concentrations. Also requires adjusting the number of general elective requirements (down by 3) for each concentration. This course equips students with data science and AI skills aligned with current applied mathematics practice.
2. STAT courses added as equivalents to MATH when referring to collective offerings.
3. Updated program learning outcomes for completion and clarity.
4. Reduced excessive general electives.
5. Honours requirements added to the top and into Core and Concentration requirements.

Consultations

1. Mathematics Department
2. Curriculum Support Unit, Office of the Provost

Attachments

1. CIM Programs

   Bachelor of Science, Major in Applications of Mathematics

   Bachelor of Science (Honours), Major in Applications of Mathematics

Submitted by

Michelle Molnar, Administrative Coordinator, University Senate

Date submitted

April 9, 2026

Viewing: BSCH_ST_MATA : Bachelor of Science (Honours), Major in Applications of Mathematics
Last approved: Mon, 12 May 2025 21:24:40 GMT
Last edit: 2026-03-26T15:39:01Z

Changes proposed by: Virginia Vandenberg

Reviewer comments

Krista Gerlich-Fitzgerald (krista.gerlichfitzgerald) (Thu, 19 Mar 2026 00:13:36 GMT): In associate of Science: possibly remove "minimum passing grade (D or better) in each course" as it is redundant? The key factor in this is a 2.0 CGPA is required in alignment with BC Transfer agreements for Associate of Science

Krista Gerlich-Fitzgerald (krista.gerlichfitzgerald) (Thu, 19 Mar 2026 00:21:16 GMT): Associate of Science: recommend fixing headings as they do not align. Math courses shouldn't be listed under Science requirements. Headings should be: English Requirements Mathematics Requirements Science Requirements Arts Requirements Additional Requirements. This will make it clear which must be done in which areas for transferability under associate programs.

Krista Gerlich-Fitzgerald (krista.gerlichfitzgerald) (Thu, 19 Mar 2026 00:37:00 GMT): OReg Curr will send a draft for moving the Honours requirements into the the curricular requirements. As the honours page is standalone, it should be included in the main section. There is also a discrepancy in credit count. In the program it states 122-130 credits, but, the Honours text requires 132 credits.

Krista Gerlich-Fitzgerald (krista.gerlichfitzgerald) (Thu, 19 Mar 2026 00:48:58 GMT): With the reduction of breadth electives to 15 from 18, the curricular text area in both Bachelors no longer matches. Recommend building those requirements as "Buckets" which show the details on how each is made to reduce errors and redundancy.

Virginia Vandenberg (virginia.vandenberg) (Thu, 26 Mar 2026 17:30:21 GMT): Updates made to program proposals on behalf of the proponent, in response to OREG recommendations

Ashley Allison (ashley.allison) (Fri, 10 Apr 2026 15:08:14 GMT): Rollback: Still needs to pass Senate.

Overview

Status

Revision

Program proposal contact(s)

Allyson Rozell

Calendar year edition

2026-2027 ~~2025-2026~~

Overview of proposed changes

	Proposed Changes	Rationale
1	Add STAT 1170 as requirement for all concentrations. Also requires adjusting the number of general elective requirements (down by 3) for each concentration	This course equips students with data science and AI skills aligned with current applied mathematics practice.
2	Add STAT as alternate to MATH when referring to collective offerings.	Updated to accommodate new prefix.
3	Add in updated program learning outcomes.	For completion and more clarity.
4	Added Honours Eligibility to the top of calendar entry and move MATH 4350 Senior Project to Core Requirements section.	For clarity.
5	Reduced excessive general electives: - Biomathematics Concentration - remove 15 credits of 1100 or higher electives and increase MATH or STAT at 3000 level or higher from 3 to 9 credits. - Mathematics Education Concentration: - reduce 24 credits of 1100 or higher to 21 credits and increase MATH or STAT at 3000 level or higher from 3 to 6 credits	To allow students to finish more quickly.

Requirements

Admission Requirements

Students pursuing a Major in Applications of Mathematics must be admitted to the Faculty of Science (https://calendar.kpu.ca/programs-az/science/admission-requirements/).

Honours Eligibility

Eligibility for the Bachelor of Science (Honours), Major in Applications of Mathematics program is restricted to students declared in the BSc program and requires permission of the department. To apply, students must have completed a minimum of 75 credits at the 1100 level or higher, and 6 program credits at the 3000 level or higher. Candidates should hold a Program Grade Point Average (PGPA) of 3.0 (or give a detailed justification for lower PGPA), and submit an application package to be reviewed by the Department of Mathematics.

~~Declaration Requirements~~

~~Students intending to graduate with this Faculty of Science degree must declare the credential by the time they complete 60 credits of undergraduate coursework. At the time of declaration, the student must satisfy all of the following requirements:~~

- ~~In good academic standing with the University~~
- ~~Completion of a minimum of 24 credits of undergraduate coursework~~
- ~~Completion of MATH 1220 with a minimum grade of "C" or MATH 1230 with a minimum grade of "C+"~~

Curricular Requirements

All students must meet the following minimum requirements:

- 120 credits from courses at the 1100 level or higher.
- 45 credits from a minimum of 15 courses at the 3000 level or higher, including 9 credits at the 4000 level.
- 18 credits of breadth electives including:
  - at least 12 credits from courses that are offered outside the Faculty of Science; and
  - up to 6 credits from fields of science not prescribed in the Major requirements; and
  - 3 credits from a course at the 3000 level or higher.
- Cumulative GPA of 2.0 or higher.
- At least 50% of all courses for the BSc, and at least 66% of upper-level courses for the BSc, must be completed at KPU.

The Applications of Mathematics Major requires the completion of the following Core Requirements, as well as the requirements of one of the three concentrations below.

Honours students will need to complete a total of 36 credits from courses in MATH or STAT numbered 3000 or higher, excluding MATH 3130 and MATH 4130.

Honours students must complete 124 credits overall and maintain a PGPA of 3.0, with a minimum grade of B in those MATH or STAT courses numbered 3000 or higher used to satisfy the degree requirements.

Core Requirements

Code	Title	Credits
MATH 1135	Problems and Concepts	3
Select one of the following:		3
MATH 1120	Differential Calculus	
MATH 1130	Calculus for Life Sciences I	
MATH 1140	Calculus I (Business Applications)	
MATH 1220	Integral Calculus	3
or MATH 1230	Calculus for Life Sciences II	
Select one of the following:		3
ENGL 1202	Reading and Writing About Selected Topics: An Introduction to Literature	
ENGL 1204	Reading and Writing About Genre: An Introduction to Literature	
A course approved to meet the writing-intensive requirement for KPU credentials		
PHYS 1101	Physics for Life Sciences I	4
or PHYS 1120	Physics for Physical and Applied Sciences I	
BIOL 1110	Introductory Biology I	4
or CHEM 1110	The Structure of Matter Revised Course	
CPSC 1103	Principles of Program Structure and Design I	3
CPSC 1204	Principles of Program Structure and Design II	3

ENGL 1100	Introduction to University Writing	3
MATH 2232	Linear Algebra	3
MATH 2321	Multivariate Calculus (Calculus III)	3
MATH 2410	Discrete Mathematics	3
MATH 3120	Introduction to Applied Mathematics	3
MATH 3421	Ordinary Differential Equations	3
MATH 4240	Mathematical Modelling	3
MATH 4350	Senior Project	3
STAT 1170	Introduction to Data Science: An AI Approach	3
STAT 2315	Probability and Statistics	3
STAT 3315	Applied Inferential Statistics	3
Select one of the three Concentrations listed below		65-67

Concentrations

Biomathematics Concentration Requirements

Code	Title	Credits
BIOL 1110	Introductory Biology I	4
BIOL 1210	Introductory Biology II	4
BIOL 2322	Ecology	4
CHEM 1110	The Structure of Matter Revised Course	4
~~Select 18 credits from courses at the 1100 level or higher~~		~~18~~
Select 3 credits from a course at the 1100 level or higher in any area of study except BIOL, CHEM, MATH, PHYS, or STAT		3
Select 3 credits from a course in BIOL at the 2000 level or higher		3
BIOL 2320	Genetics	4
or BIOL 2321	Cell Biology	
MATH 3140	Mathematical Computing	3
MATH 4210	Biomathematics	3
Select 9 credits from courses at the 3000 level or higher		9
Select 3 credits from a course at the 3000 level or higher in any area of study except BIOL, CHEM, MATH, PHYS, or STAT		3
Select 6 credits from courses in BIOL at the 3000 level or higher [1]		6
~~Select 3 credits from a course in MATH at the 3000 level or higher~~ [2]		~~3~~
Select 9 credits from a course in MATH or STAT at the 3000 level or higher [2]		9
Select 6 credits from courses in MATH or STAT at the 4000 level [3]		6

1 BIOL 3165 and BIOL 3320 are recommended.
2 Except MATH 3130 or MATH 4130
3 Except MATH 4130

Computational Mathematics Concentration Requirements

It is recommended that students choose sufficient electives from the physical sciences (Physics and Chemistry), computer science, or economics and business to provide expertise in an area of application.

Code	Title	Credits
CPSC 2302	Data Structures and Algorithms	3
MATH 2331	Introduction to Analysis	3
MATH 3110	Simulation Modeling	3
MATH 3140	Mathematical Computing	3
MATH 4220	Numerical Methods Revised Course	3
~~Select 18 credits from courses at the 1100 level or higher~~		~~18~~
Select 15 credits from courses at the 1100 level or higher		15
Select 9 credits from courses at the 1100 level or higher in any area of study except BIOL, CHEM, MATH, PHYS, or STAT		9
Select 9 credits from courses at the 3000 level or higher		9
Select 9 credits from courses in MATH or STAT at the 3000 level or higher [1]		9
Select 3 credits from a course at the 3000 level or higher in any area of study except BIOL, CHEM, MATH, PHYS, or STAT		3
Select 6 credits from courses in MATH or STAT at the 4000 level [2]		6

[1] Except MATH 3130 or MATH 4130
[2] Except MATH 4130

Mathematics Education Concentration Requirements
It is recommended that students wishing to teach secondary level mathematics also prepare in a second teachable area; check the requirements of the institution that offers the desired education program.

Code	Title	Credits
PHYS 1102	Physics for Life Sciences II	4
or PHYS 1220	Physics for Physical and Applied Sciences II	
EDUC 2220	Introduction to Educational Psychology	3
MATH 2331	Introduction to Analysis	3
MATH 3130	Introduction to the Mathematics Classroom Revised Course	3
MATH 3150	The Structure of Mathematics	3
MATH 3250	Geometry	3
MATH 3322	Vector Calculus (Calculus IV)	3
MATH 3450	History of Mathematics Revised Course	3
MATH 4130	Theory of Mathematics Education Revised Course	3
~~Select 27 credits from courses at the 1100 level or higher~~		~~27~~
Select 21 credits from courses at the 1100 level or higher		21
Select 6 credits from courses at the 3000 level or higher		6
Select 3 credits from a course at the 3000 level or higher in any area of study except BIOL, CHEM, MATH, PHYS, or STAT (EDUC recommended)		3
Select 6 credits from a course in MATH or STAT at the 3000 level or higher		6
Select 3 credits from a course in MATH or STAT at the 4000 level		3
~~Select 3 credits from a course in MATH at the 4000 level~~		~~3~~

Total Credits

Code	Title	Credits
		124-126

~~Honours~~

~~In addition to meeting the requirements listed above for the Major, Honours students will need to complete MATH 4350 as part of a total of 36 credits from courses in MATH numbered 3000 or higher, excluding MATH 3130 and MATH 4130.~~

~~Honours students must complete 132 credits overall and maintain a Program Grade Point Average (PGPA) of 3.0, with a minimum grade of B in those MATH courses numbered 3000 or higher used to satisfy the degree requirements.~~

~~To qualify for the Applications of Mathematics Honours degree, students must have been admitted to the Honours program prior to earning the Applications of Mathematics degree. Students may receive either the Applications of Mathematics degree or the Applications of Mathematics Honours degree, but not both.~~

Credential Awarded

Upon successful completion of the honours program, students are eligible to receive a **Bachelor of Science (Honours)**. Transcripts will indicate **Major in Applications of Mathematics**.

Program Learning Outcomes

	A student who successfully completes the program will have reliably demonstrated the ability to:
1	Communicate mathematical ideas and arguments effectively across various audiences and in multiple formats (written, oral, visual, and digital). ~~N/A~~
2	Formulate and solve complex problems using mathematical and analytical reasoning in academic and applied contexts.
3	Use appropriate technology and software tools (e.g., programming languages, statistical software, modeling platforms) to support mathematical problem-solving and data analysis.
4	Apply mathematical knowledge to real-world and interdisciplinary problems, including in workplace, scientific, educational, and technological settings.
5	Use quantitative and analytical methods to support evidence-based decision making.
6	(Math Education) Plan and deliver effective mathematics instruction using pedagogical best practices and reflective teaching strategies.

7	(Biomath) Demonstrate a foundational understanding of biological systems, including plant and animal biology.
8	(Biomath) Apply mathematical tools to model and analyze biological phenomena across multiple levels of biological organization.

Transition plan

N/A

The following information will help determine whether there is a budgetary impact to the proposed program changes, and what additional information and consultation will be required. Please note that all additional budgetary requests in support of the proposed program change require approval from the Dean and the Provost, and additional financial documents may be required.

The information supplied is for administrative purposes only and will not be visible to reviewers in the academic governance process (e.g., Faculty and Senate committee members).

Change in space requirements?

No

Change in equipment requirements?

No

Change in support requirements?

No

Abstract

Degree or non-degree program

Degree

Academic level

Undergraduate

Faculty

Science

Department

Mathematics

Program name

Bachelor of Science (Honours), Major in Applications of Mathematics

Program Code

BSCH_ST_MATA

Program description

In the BSc in Applications of Mathematics program, traditional mathematics courses are combined with specialized courses that enable students to apply their mathematical skills in diverse fields, providing a broad range of options for careers or further education. Students can choose from among three concentrations, Biomathematics, Computational Mathematics and Mathematics Education, that are not readily available at the undergraduate level elsewhere in Canada.

Implementation date

September 2026 ~~2024~~

Proposed Program Overview

Program Structure & Delivery

Proposed credential(s) to be granted

Credential Level
Bachelor of Science (Honours)

Date for next review

September 2031 ~~2029~~

Will this program include a co-operative education option?

No

Discipline and Program Description

Course Delivery Options

Program Delivery Options

Information for Competitive Assessment

Information for Student Demand Assessment

Information for Labour Market Assessment

Financial Assessment Background Questions

Funding

No Funding

Preferred campus delivery

Surrey

Supplementary Documents

Curriculum Map and Program Learning Outcomes

MATH Curriculum Map_BS MATH Honours_09 Mar 2026.xlsx

Key: 139

History

1. Nov 28, 2023 by clmig-dboggess
2. Jul 9, 2024 by Ashley Allison (ashley.allison)
3. Sep 6, 2024 by Ashley Allison (ashley.allison)
4. May 12, 2025 by Ashley Allison (ashley.allison)

Viewing: BSC_ST_MATA : Bachelor of Science, Major in Applications of Mathematics

Last approved: Mon, 12 May 2025 21:22:46 GMT

Last edit: 2026-03-24T22:53:07Z

Changes proposed by: Virginia Vandenberg

Determination of new degree?

No

Overview

Program proposal contact(s)

Allyson Rozell

Calendar year edition

2026-2027 ~~2025-2026~~

Overview of proposed changes

	Proposed Changes	Rationale
1	Add STAT 1170 as requirement for all concentrations. Also requires adjusting the number of general elective requirements (down by 3) for each concentration	This course equips students with data science and AI skills aligned with current applied mathematics practice.
2	Add STAT as alternate to MATH when referring to collective offerings.	Updated to accommodate new prefix.
3	Add in updated program learning outcomes.	For completion and more clarity.
4	Reduced excessive general electives: - reduced elective credits from courses at the 1100 level or higher in Biomathematics concentration from 15 to 9 credits - reduced elective credits from courses at the 1100 level or higher in Mathematics Education concentration from 24 to 21 credits	To allow students to finish more quickly.

Requirements

Admission Requirements

Students pursuing a Major in Applications of Mathematics must be admitted to the Faculty of Science (https://calendar.kpu.ca/programs-az/science/admission-requirements/).

Declaration Requirements

Students intending to graduate with this Faculty of Science degree must declare the credential by the time they complete 60 credits of undergraduate coursework. At the time of declaration, the student must satisfy all of the following requirements:

- In good academic standing with the University
- Completion of a minimum of 24 credits of undergraduate coursework
- Completion of MATH 1220 with a minimum grade of "C" or MATH 1230 with a minimum grade of "C+"

Curricular Requirements

All students must meet the following minimum requirements:

- 120 credits from courses at the 1100 level or higher.
- 45 credits from a minimum of 15 courses at the 3000 level or higher, including 9 credits at the 4000 level.
- 18 credits of breadth electives including:

- at least 12 credits from courses that are offered outside the Faculty of Science; and
- up to 6 credits from fields of science not prescribed in the Major requirements; and
- 3 credits from a course at the 3000 level or higher.

- Cumulative GPA of 2.0 or higher.
- At least 50% of all courses for the BSc, and at least 66% of upper-level courses for the BSc, must be completed at KPU.

The Applications of Mathematics Major requires the completion of the following Core Requirements, as well as the requirements of one of the three concentrations below.

Core Requirements

Code	Title	Credits
MATH 1135	Problems and Concepts	3
Select one of the following:		3
MATH 1120	Differential Calculus	
MATH 1130	Calculus for Life Sciences I	
MATH 1140	Calculus I (Business Applications)	
MATH 1220	Integral Calculus	3
or MATH 1230	Calculus for Life Sciences II	
Select one of the following:		3
ENGL 1202	Reading and Writing About Selected Topics: An Introduction to Literature	
ENGL 1204	Reading and Writing About Genre: An Introduction to Literature	
A course approved to meet the writing-intensive requirement for KPU credentials		
PHYS 1101	Physics for Life Sciences I	4
or PHYS 1120	Physics for Physical and Applied Sciences I	
BIOL 1110	Introductory Biology I	4
or CHEM 1110	The Structure of Matter Revised Course	
CPSC 1103	Principles of Program Structure and Design I	3
CPSC 1204	Principles of Program Structure and Design II	3
ENGL 1100	Introduction to University Writing	3
MATH 2232	Linear Algebra	3
MATH 2321	Multivariate Calculus (Calculus III)	3
MATH 2410	Discrete Mathematics	3
MATH 3120	Introduction to Applied Mathematics	3
MATH 3421	Ordinary Differential Equations	3
MATH 4240	Mathematical Modelling	3
STAT 1170	Introduction to Data Science: An AI Approach	3
STAT 2315	Probability and Statistics	3
STAT 3315	Applied Inferential Statistics	3
Select one of the three Concentrations listed below		64-68

Concentrations

Biomathematics Concentration Requirements

Code	Title	Credits
BIOL 1110	Introductory Biology I	4
BIOL 1210	Introductory Biology II	4
BIOL 2322	Ecology	4
CHEM 1110	The Structure of Matter Revised Course	4
~~Select 18 credits from courses at the 1100 level or higher~~		~~18~~
Select 9 credits from courses at the 1100 level or higher		9
Select 3 credits from a course at the 1100 level or higher in any area of study except BIOL, CHEM, MATH, PHYS, or STAT		3
Select 3 credits from a course in BIOL at the 2000 level or higher		3
BIOL 2320	Genetics	4
or BIOL 2321	Cell Biology	
MATH 3140	Mathematical Computing	3
MATH 4210	Biomathematics	3

Select 9 credits from courses at the 3000 level or higher	9
Select 3 credits from a course at the 3000 level or higher in any area of study except BIOL, CHEM, MATH, PHYS, or STAT	3
Select 6 credits from courses in BIOL at the 3000 level or higher [1]	6
Select 3 credits from a course in MATH or STAT at the 3000 level or higher [2]	3
Select 6 credits from courses in MATH or STAT at the 4000 level [3]	6

1 BIOL 3165 and BIOL 3320 are recommended.
2 Except MATH 3130 or MATH 4130
3 Except MATH 4130

Computational Mathematics Concentration Requirements
It is recommended that students choose sufficient electives from the physical sciences (Physics and Chemistry), computer science, or economics and business to provide expertise in an area of application.

Code	Title	Credits
CPSC 2302	Data Structures and Algorithms	3
MATH 2331	Introduction to Analysis	3
MATH 3110	Simulation Modeling	3
MATH 3140	Mathematical Computing	3
MATH 4220	Numerical Methods Revised Course	3
~~Select 18 credits from courses at the 1100 level or higher~~		~~18~~
Select 15 credits from courses at the 1100 level or higher		15
Select 9 credits from courses at the 1100 level or higher in any area of study except BIOL, CHEM, MATH, PHYS, or STAT		9
Select 9 credits from courses at the 3000 level or higher		9
Select 9 credits from courses in MATH or STAT at the 3000 level or higher [1]		9
Select 3 credits from a course at the 3000 level or higher in any area of study except BIOL, CHEM, MATH, PHYS, or STAT		3
Select 6 credits from courses in MATH or STAT at the 4000 level [2]		6

1 Except MATH 3130 or MATH 4130
2 Except MATH 4130

Mathematics Education Concentration Requirements
It is recommended that students wishing to teach secondary level mathematics also prepare in a second teachable area; check the requirements of the institution that offers the desired education program.

Code	Title	Credits
PHYS 1102	Physics for Life Sciences II	4
or PHYS 1220	Physics for Physical and Applied Sciences II	
EDUC 2220	Introduction to Educational Psychology	3
MATH 2331	Introduction to Analysis	3
MATH 3130	Introduction to the Mathematics Classroom Revised Course	3
MATH 3150	The Structure of Mathematics	3
MATH 3250	Geometry	3
MATH 3322	Vector Calculus (Calculus IV)	3
MATH 3450	History of Mathematics Revised Course	3
MATH 4130	Theory of Mathematics Education Revised Course	3
~~Select 27 credits from courses at the 1100 level or higher~~		~~27~~
Select 21 credits from courses at the 1100 level or higher		21
Select 6 credits from courses at the 3000 level or higher		6
Select 3 credits from a course at the 3000 level or higher in any area of study except BIOL, CHEM, MATH, PHYS, or STAT (EDUC recommended)		3
Select 3 credits from a course in MATH or STAT at the 3000 level or higher		3
Select 3 credits from a course in MATH or STAT at the 4000 level		3

Total Credits

Code	Title	Credits
		120-124

Credential Awarded

Upon successful completion of the major program students are eligible to receive a **Bachelor of Science**. Transcripts will indicate a **Major in Applications of Mathematics**.

Program Learning Outcomes

	A student who successfully completes the program will have reliably demonstrated the ability to:
1	Communicate mathematical ideas and arguments effectively across various audiences and in multiple formats (written, oral, visual, and digital). ~~N/A~~
2	Formulate and solve complex problems using mathematical and analytical reasoning in academic and applied contexts.
3	Use appropriate technology and software tools (e.g., programming languages, statistical software, modeling platforms) to support mathematical problem-solving and data analysis.
4	Apply mathematical knowledge to real-world and interdisciplinary problems, including in workplace, scientific, educational, and technological settings.
5	Use quantitative and analytical methods to support evidence-based decision making.
6	(Math Education) Plan and deliver effective mathematics instruction using pedagogical best practices and reflective teaching strategies.
7	(Biomath) Demonstrate a foundational understanding of biological systems, including plant and animal biology.
8	(Biomath) Apply mathematical tools to model and analyze biological phenomena across multiple levels of biological organization.

Transition plan

N/A

The following information will help determine whether there is a budgetary impact to the proposed program changes, and what additional information and consultation will be required. Please note that all additional budgetary requests in support of the proposed program change require approval from the Dean and the Provost, and additional financial documents may be required.

The information supplied is for administrative purposes only and will not be visible to reviewers in the academic governance process (e.g., Faculty and Senate committee members).

Change in space requirements?

No

Change in equipment requirements?

No

Change in support requirements?

No

Abstract

Degree or non-degree program

Degree

Academic level

Undergraduate

Faculty

Science

Department

Mathematics

Program name

Bachelor of Science, Major in Applications of Mathematics

Program Code
BSC_ST_MATA

Program description
In the BSc in Applications of Mathematics program, traditional mathematics courses are combined with specialized courses that enable students to apply their mathematical skills in diverse fields, providing a broad range of options for careers or further education. Students can choose from among three concentrations, Biomathematics, Computational Mathematics and Mathematics Education, that are not readily available at the undergraduate level elsewhere in Canada.

Implementation date
September 2026 ~~2024~~

Proposed Program Overview

Program Structure & Delivery

Proposed credential(s) to be granted

Credential Level
Bachelor of Science

Date for next review
September 2031 ~~2029~~

Will this program include a co-operative education option?
No

Discipline and Program Description

Course Delivery Options

Program Delivery Options

Information for Competitive Assessment

Information for Student Demand Assessment

Information for Labour Market Assessment

Financial Assessment Background Questions

Funding
No Funding

Preferred campus delivery
Surrey

Supplementary Documents

Curriculum Map and Program Learning Outcomes
MATH Curriculum Map_BS MATH_09 Mar 2026.xlsx

Key: 135

KWANTLEN POLYTECHNIC UNIVERSITY
Senate

SENATE
Agenda Number: *7.1*
Meeting Date: *Monday, April 27, 2026*
Presenter(s): *Sharmen Lee*

AGENDA TITLE: 2026 PRESIDENTIAL SEARCH ADVISORY COMMITTEE NOMINATIONS

ACTION REQUESTED: Motion

RECOMMENDED RESOLUTION

THAT Senate appoint the following regular faculty members-at-large to the Presidential Search Advisory Committee:

- **Farhad Dastur (Faculty of Arts)**
- **Paola Gavilanez (Wilson School of Design)**
- **Rachel Chong (Faculty of Educational Support and Design)**

AND THAT Mazen Guirguis (Faculty of Arts) be recommended as an alternate, to be appointed in the event that any of the above-named appointees are unable to fulfill the duties or meet the requirements of the Committee.

COMMITTEE REPORT

On April 14, 2026, the Senate Governance and Nominating Committee recommend that Senate appoint the following regular faculty members-at-large to the Presidential Search Advisory Committee:

- Farhad Dastur (Faculty of Arts)
- Paola Gavilanez (Wilson School of Design)
- Rachel Chong (Faculty of Educational Support and Design)

AND THAT Mazen Guirguis (Faculty of Arts) be recommended as an alternate, to be appointed in the event that any of the above-named appointees are unable to fulfill the duties or meet the requirements of the Committee.

Context and Background

The KPU Board of Governors will commence a search for a President and Vice Chancellor per KPU Policy HR22.

The Board of Governors is therefore requesting that members of the Search Advisory Committee be appointed as soon as possible, as follows:

Chaired by the Chair, Board of Governors

i. Chair, Board of Governors Human Resources Committee
ii. Three government-appointed Board Members, one of whom shall be an Alumni* representative
iii. Senate Vice Chair
iv. Three regular faculty members appointed by the Kwantlen Faculty Association and three regular faculty members-at-large appointed by Senate. To the greatest extent possible by these 6 appointees, all Faculties should be represented.
v. Two regular BCGEU staff members, appointed by the BCGEU
vi. Two Deans, appointed by the Provost
vii. Provost & Vice President, Academic
viii. Three students, appointed by the Board**
ix. Chair, Kwantlen Polytechnic University Foundation

**The Board of Governors has requested that the Alumni Association appoint a member from the Alumni Board*

*** The Board of Governors has requested that the Vice President, Students, recommend three students.*

Key Messages

1. The Board has requested that **Senate appoint three (3) regular faculty members-at-large** to the Presidential Search Advisory Committee.
2. On April 1, 2026, the Senate Office circulated an email to Senate and its committees inviting regular faculty members interested in serving on the Presidential Search Advisory Committee (PSAC) to complete an Expression of Interest form.
3. The Senate Governance and Nominating Committee (SGNC) is responsible for reviewing these expressions of interest and forwarding recommendations to Senate for appointment.

Attachments and Links

1. Memo for Callout of SAC Members for PSAC 2026
2. April 1, 2026 Senate Office Email to Senate and Committees
3. HR22 – *Presidential Search Advisory, Appointment and Re-Appointment* Policy
4. HR22 – *Presidential Search Advisory, Appointment and Re-Appointment* Procedure

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Submitted by

Sonia Orlu – Administrative Assistant, University Senate

Date submitted

April 10, 2026

KPU KWANTLEN POLYTECHNIC UNIVERSITY

12666 – 72ND Ave.
Surrey, BC Canada V3W 2M8

BOARD OF GOVERNORS

TO: Erin Barnes Chair, Board of Governors
Stephanie Smith, Vice Chair and Chair of Human Resources Committee, Board of Governors
Henry Flowers, Chair Alumni Board
Catherine Schwichtenberg, Vice Chair, Senate
Senate
Mark Diotte, President, Kwantlen Faculty Association
John Potter-Smith, Chair, BCGEU Support Staff
Dr. David Burns, Provost and Vice President, Academic
Zena Mitchell, Vice President, Students
Kelly Finlay, Chair, Foundation Board

CC: Maryam Garrecht, Executive Assistant, Vice President Students
Michelle Molnar, Administrative Coordinator, University Senate
Amy Nagi, Coordinator of Administrative Services, Kwantlen Faculty Association
Dervla Hagan, Executive Assistant, Office of Provost
Navneet Sidhu, Manager, Talent Acquisition and Recruitment
Jenn Harrington, Interim Vice President, Human Resources
Diane Purvey, President and Vice Chancellor, pro tem
David Connop-Price, Director, Communications

DATE: April 1, 2026
FROM: Keri Spindler, University Secretary
SUBJECT: Search Advisory Committee: President and Vice Chancellor – Request for Appointments

The KPU Board of Governors will commence a search for a President and Vice Chancellor per KPU Policy HR22.

As per Policy HR22 and related procedures for *Presidential Search Advisory, Appointment and Re-Appointment*, the Board of Governors is requesting that members of the Search Advisory Committee be appointed as soon as possible, as follows:

Chaired by the Chair, Board of Governors

i) Chair, Board of Governors Human Resources Committee
ii) Three government-appointed Board Members, one of whom shall be an Alumni* representative
iii) Senate Vice Chair
iv) Three regular faculty members appointed by the Kwantlen Faculty Association and

three regular faculty members-at-large appointed by Senate. To the greatest extent possible by these 6 appointees, all Faculties should be represented.

v) Two regular BCGEU staff members, appointed by the BCGEU
vi) Two Deans, appointed by the Provost
vii) Provost & Vice President, Academic
viii) Three students, appointed by the Board**
ix) Chair, Kwantlen Polytechnic University Foundation

*The Board of Governors has requested that the Alumni Association appoint a member from the Alumni Board
** The Board of Governors has requested that the Vice President, Students, recommend three students.

Meeting dates have not yet been scheduled.

Please notify me once the above appointments have been made by you or your representative group. We would appreciate a response by April 28, 2026.

Sincerely,

Keri Spindler
University Secretary

Outlook

Presidential Search Advisory Committee – Faculty Expression of Interest

From Senate <Senate@kpu.ca>
Date Wed 4/1/2026 11:02 AM
To Senate and Committees <SenateAndCommittees@kpu.ca>

1 attachment (534 KB)
Memo for Callout of SAC Members for PSAC 2026 FINAL.pdf;

Hello all,

KPU is initiating the presidential search process in accordance with HR22 – Presidential Search Advisory, Appointment, and Reappointment Policy. As part of this process, Senate must appoint three regular faculty members-at-large to the Presidential Search Advisory Committee (PSAC).

The Senate Governance and Nominating Committee (SGNC) will review expressions of interest and bring forward recommendations to Senate for appointment.

Faculty members interested in serving on the PSAC are invited to complete the Expression of Interest form linked here:
Presidential Search Advisory Committee (PSAC) – Faculty Expression of Interest

The deadline for submissions is **Thursday, April 9, 2026 at 4:00 p.m.**

A memo from the Board Chair regarding the composition and expectations of the PSAC is attached for reference.

Thank you.

Michelle Molnar

Michelle Molnar, *BSc (she/her)*
Administrative Coordinator, University Senate
t 604.599.2357
e michelle.molnar@kpu.ca
kpu.ca/senate

Kwantlen Polytechnic University ► Where thought meets action

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KWANTLEN POLYTECHNIC UNIVERSITY
Senate

SENATE
Agenda Number: *7.2*
Meeting Date: *Monday, April 27, 2026*
Presenter(s): *Sharmen Lee*

AGENDA TITLE: Search Advisory Committee: Appointment of Chancellor

ACTION REQUESTED: Motion

RECOMMENDED RESOLUTION

THAT Senate appoint the following member to the Search Advisory Committee, Appointment of Chancellor:

Senators (one)

-

COMMITTEE REPORT

Context and Background

The Alumni Association will commence a search for KPU's next Chancellor in line with the University Act and the Alumni Board's Procedures for Selection of the Chancellor.

In line with the Procedures, a joint committee will be struck to seek and consider nominations for the position of Chancellor.

Zena Mitchell, who was previously appointed by Senate, has agreed to continue on the search advisory committee.

Attachments

1. Appointment of Chancellor – Memo for Callout of SAC Members
2. Link to the University Act

Submitted by

Michelle Molnar, Administrative Coordinator, University Senate

Date submitted

April 17, 2026

KWANTLEN POLYTECHNIC UNIVERSITY

12666 – 72ND Ave.
Surrey, BC Canada V3W 2M8

TO: Board of Governors
Senate

CC: Michelle Molnar, Administrative Coordinator, University Senate
Keri Spindler, University Secretary

DATE: April 1, 2026
FROM: Nicole Poole, Director, Alumni Affairs
SUBJECT: Search Advisory Committee: Chancellor – Request for Appointments

The Alumni Association will commence a search for KPU's next Chancellor in line with the *University Act* and the Alumni Board's Procedures for Selection of the Chancellor.

In line with the Procedures, a joint committee will be struck to seek and consider nominations for the position of Chancellor.

The following appointments are requested:

1. One member of the Board of Governors
2. One member of the Senate

Kim McGill and Zena Mitchell, who were previously appointed by the Board of Governors and Senate respectively, have agree to continue on the search advisory committee.

The orientation meeting is scheduled for: May 19th 3:30 – 4:30 p.m.
A review of applications meeting is scheduled for: July 29th 9:30 – 11:00 a.m.

Please notify me once the above appointments have been made.

Sincerely,

Nicole Poole
Director, Alumni Affairs

KWANTLEN POLYTECHNIC UNIVERSITY
Senate

SENATE
Agenda Number: *8*
Meeting Date: *Monday, April 27, 2026*
Presenter(s): *Catherine Schwichtenberg*

Chair's Report to Senate
Senate Standing Committee on Program Review
April 1st, 2026

The Sustainable Agriculture 2nd Annual Follow-up Report was discussed and approved, pending minor edits requested by the committee. The program was commended on the quality of the report and for the work they have been doing on the action items in their Quality Assurance Plan.

The chair welcomed Dr Rob McTavish (Dean pro tem, Faculty of Academic and Career Preparation). Dr McTavish is joining the committee after the departure of Aimee Begalka, who contributed greatly to the committee's work over the past eight years.

The chair requested feedback from the committee on the inclusion of Librarians as internal members of external review teams, which would help alleviate the challenges with finding internal members. The committee expressed support and suggested including other faculty members within the Faculty of Educational Support and Development (FESD), noting the value of their perspectives and expertise. As a result, FESD faculty will now be added to the list of potential internal members of external review teams.

Melike Kinik-Dicleli (Manager, Quality Assurance, Office of Planning & Accountability) presented the monthly report on the status of program reviews across the university, noting that 37 programs are currently at various stages of the process, including 19 in the self-study phase.

SENATE
Agenda Number: *10.1*
Meeting Date: *Monday, April 27, 2026*
Presenter(s): *Nadia Henwood*

AGENDA TITLE: Election of the Vice-Chair of Senate

ACTION REQUESTED: Information

Context and Background

University Act, Section 42:

The senate shall make and publish all rules necessary and not inconsistent with this Act in respect of nominations, elections and voting, and the registrar shall conduct all elections as are required.

Senate Bylaw 4.01:

Each year at the April meeting, voting members of the Senate will elect a Vice-Chair from within the Senate's voting membership.

Key Messages

1. The term of office for the 2026/27 election of Senate Vice Chair begins September 1, 2026, and ends August 31, 2027.
2. Any Senator whose Senate term is concurrent with the term for which a Vice-Chair of Senate is being elected is eligible to be nominated.

Consultations

On March 31, 2026, Senate was informed of the upcoming election.

Attachments

1. Vice-Chair of Senate Job Duties

Submitted by

Nadia Henwood, University Registrar and Secretary of Senate

Date submitted

April 9, 2026

KWANTLEN POLYTECHNIC UNIVERSITY
Senate

POSITION DESCRIPTION: VICE-CHAIR, SENATE

DATE: November 26, 2012

GENERAL ACCOUNTABILITIES

1. In accordance with the *University Act,* the Vice Chair substitutes for the President in the role of Chair at Senate meetings which the President cannot attend. The Vice Chair also assists the Chair with duties associated with Senate role.
2. The Vice Chair acts as liaison between Faculty Councils, Faculty, Senate Standing Committees and Senate and where requested, Board of Governors, and ensures that Chair has clear overview of the matters under discussion at any particular time, and:
    2.1. Attends Faculty of the Whole meetings and Faculty Council meetings as required and,
    2.2. Attends all Senate meetings and various Senate Standing Committees meetings which deal with the detail of the matters arising from Senate.
    2.3. Where appropriate, acts as Chair to a Senate Standing Committee if the elected Chair is unavailable.
    2.4. Provides important information to the Standing Committees about any relevant discussion which has taken place at Senate itself. Prepares for meetings by reviewing materials, research and provides input as required during committee meetings.
    2.5. Acts as conveyer of information and processes between standing committees and other committees, i.e. working groups and task forces of Senate, where information cannot be conveyed in writing. Understands relevant background information and understanding of context which can only be gained through full immersion in governance and related processes. Maintains a high level of confidentiality as required.
    2.6. Acts as the faculty first point of contact for Senate. Discerns where and to whom to direct queries/requests/concerns and provide direction with respect to next steps. In many instances not only troubleshoots or directs, but also deals directly with issues.
    2.7. Troubleshoots issues between faculty and Senate and Faculties and Faculty Councils. Works with individuals to mitigate said issues. Advises Faculty Councils as to how other faculty councils are dealing with specific issues.
3. The Vice Chair liaises with the Office of the Provost with regard to emerging academic matters and policy development with regard to the process of discussion by appropriate Senate Standing Committees and Senate.
4. In conjunction with the Secretariat, the Vice Chair ensures that changes to course outlines approved by SCC have been made, and signs off accordingly.

5. In conjunction with the Secretariat and the Office of the Provost, the Vice Chair develops and offers orientation sessions to new Senate members.
6. When suggestions are put forward by Senate to develop new standing committees, the Vice Chair undertakes research to determine best practices and brings forward recommendation to Senate Governance Committee. As required, the Vice Chair deals with issues that arise.
7. The Vice Chair liaises with, and participates in external institutional Senate panel discussions and retreats in order to share ideas, discuss common issues and benefit from each other's experiences.