



Articulation Agreement

**Queen's University at Kingston: Bachelor of Health Sciences Program
& The Sir Sandford Fleming College of Applied Arts and Technology: Pre-
Health Science Pathway to
Advanced Diplomas and Degrees Program**

Articulation Agreement Between

Queen's University at Kingston

(Queen's)

-and-

The Sir Sandford Fleming College of Applied Arts and Technology

(the College)

**Bachelor of Health Sciences program and Pre-Health Science Pathway to
Advanced Diplomas and Degrees program**

WHEREAS Queen's and the College recognize and support the needs of those learners who wish to earn both a certificate and a degree,

AND WHEREAS Queen's and the College wish to create and maintain a streamlined pathway for such learners on the terms that follow,

AND WHEREAS the College agrees to offer its students the opportunity to enroll in a College Certificate program that provides the basis for such students to continue their studies in the Queen's Bachelor of Health Sciences Degree Program,

AND WHEREAS Queen's, on behalf of its Faculty of Health Sciences (FHS), has agreed to offer a pathway to degree completion in the Bachelor of Health Sciences Degree Program to students of the College certificate programs listed below,

NOW THEREFORE:

1. Purpose

The purpose of this Agreement is to outline the terms and conditions for students pursuing a Bachelor of Health Sciences Degree building on the Colleges' eligible certificate program.

2. Listing of Eligible College Program(s)

The following are the eligible College certificate programs for the purpose of this Agreement:

- Pre-Health Science Pathway to Advanced Diplomas and Degrees Certificate (see Appendix A)

This Agreement is valid only for those applicants who have entered the Pre-Health Science Pathway to Advanced Diplomas and Degrees in or after September 2016, and have continued to comply with any and all provincial requirements associated with same, as may be updated from time to time

3. Tuition Fees

3.1 Tuition fees will be paid by each student, directly to each institution at the time of attendance at that institution.

4. Academic and Non-Academic Regulations/Policies

4.1 Students will be subject to all academic and non-academic regulations/policies of the institution at which they are registered over the course of the separate certificate and degree programs.

4.2 Students are subject to all FHS Bachelor of Health Sciences Regulations, except where noted (refer to the BHSc Admission Regulations).

5. Non-Academic Fees

5.1 Non-Academic fees will be paid by each student, directly to each institution at the time of attendance at that institution.

6. Queen's Bachelor of Health Sciences Admission Requirements

6.1 Individuals seeking admission to Queen's Bachelor of Health Sciences Degree program under this Agreement must have completed an appropriately matched College certificate program, and achieved a minimum Cumulative Grade Point Average of 3.0 (73%), as determined by Queen's, at graduation.

6.2 The entry Certificate must have been awarded to the applicant by the College, and a formal academic record verifying this event must have been officially transmitted to Queen's before the student commences a Degree program at Queen's.

6.3 All courses taken by the student to complete the qualifying entry Certificate must have been taken through the College or Queen's. Students with additional transfer credits may also apply for consideration. In either case, students must supply official transcripts to Queen's from all post-secondary institutions attended upon application for admission.

7. Academic Progression

- 7.1 The Queen's Bachelor of Health Sciences Program requires the completion of the Pre-Health Science Pathway to Advanced Diplomas and Degrees Certificate from the College prior to application (as indicated in Appendix A).
- 7.2 Transfer of 12.0 units will be granted upon admission from any of the aforementioned College programs (See Section 8, below).
- 7.3 Once in the Queen's Bachelor of Health Sciences program, 80% of core and option courses, and 50% of elective courses (specified in Appendix B) must be taken from Queen's.

8. Transfer of Courses

8.1 Upon successful completion of the Pre-Health Science Pathway to Advanced Diplomas and Degrees program, with a minimum Cumulative Grade Point Average of 3.0 (73%), students will be entitled to receive the following transfer credits towards the Queen's Bachelor of Health Sciences program, provided that all biology/physiology/anatomy and chemistry courses within the Pre-Health Science Pathway were completed with a minimum grade of C (63%) or higher on the first attempt (unless documented extenuating circumstances required a course repeat):

- (i) ANAT 100 (3.0 units)
- (ii) CHEM 113 (3.0 units)
- (iii) CHEM 114 (3.0 units)
- (iv) 100-Level unspecified transfer credit (3.0 units)

Note: Written approval has been received from the Chemistry Undergraduate Chair for CHEM 113 and CHEM 114 specified transfer credits.

8.2 Once in the Queen's Bachelor of Health Sciences program, students will be required to take an additional 108.0 units of courses to complete their Bachelor of Health Sciences (Honours) degree or an additional 78.0 units of courses to complete their Queen's Bachelor of Health Sciences (General) degree (refer to the Queen's Bachelor of Health Sciences degree requirements, Appendix B).

9. Language Proficiency

9.1 English is the primary language of instruction at Queen's. It is essential that all students have an adequate knowledge in the areas of reading, writing, listening and speaking in the English language for them to be successful in their studies. It is the responsibility of the student to ensure, and the College to confirm, that their English is at a level of accomplishment necessary for their particular programs and specific requirements. Applicants whose first language is not English must provide

documentation to show that the Queen's English language proficiency requirements have been met. Further information regarding English language proficiency requirements can be found at <https://www.queensu.ca/admission/about-applying/english-language-requirements>

10. Completion of Programs

10.1 Bachelor of Health Sciences students will, upon successful program completion, be eligible to graduate with a bachelor's degree from the Faculty of Health Sciences at Queen's. The name of the program on the degree will be **Bachelor of Health Sciences (Honours)** if 108.0 units of additional courses were completed. The name of the program on the degree will be **Bachelor of Health Sciences (General)** if 78.0 units of additional courses were completed.

11. Duration of Agreement

11.1 This Agreement will commence on September 1, 2021 and remain in effect until August 31, 2026.

11.2 This Agreement will be reviewed by the Parties after each academic year, by no later than August 31st.

11.3 This Agreement may be terminated by either Party with a minimum of three months' written notice, or by mutual written agreement. No additional students will be admitted to the Bachelor of Health Sciences program or Pre-Health Science Pathway to Advanced Diplomas and Degrees program after written notice of termination has been given or after the Parties agree in writing to terminate this Agreement, whichever is sooner.

11.4 If this Agreement is terminated prior to December 31, 2024, provision must be made by both institutions to allow students enrolled in the Bachelor of Health Sciences program and Pre-Health Science Pathway to Advanced Diplomas and Degrees program at the time of termination to complete the program.

12. General Matters

12.1 Each of the Parties agrees to communicate with the other Party about possible or anticipated changes to the program/plan to facilitate changes mutually agreed upon, in a timely fashion.

12.2 Collaborative marketing and promotion of the BHSc, and this articulation relationship between the College and Queen's is encouraged by both Parties. Joint approval by both Parties of marketing content, press releases, logos, etc. in print or electronic media is required.

12.3 Upon request, Queen's and the College will share aggregate information about yearly enrolment in the Program listed in this Agreement.

12.4 Notwithstanding any other term of this Agreement, both Parties recognize and agree that each institution may have independent obligations under the *Freedom of Information and Protection of Privacy Act* (“FIPPA”) or other legislation and that nothing in this Agreement prohibits either Party from complying with such obligations.

12.5 The Parties agree that there shall be no remuneration, costs or expenses paid by one Party to the other pursuant to this Agreement.

12.6 Delay in, or failure of a Party to carry out the duties, undertaking or obligations imposed on the Party pursuant to this Agreement shall not be deemed to be a breach of this Agreement if such delay or failure results from circumstances and conditions beyond the control of the Party affected that render it impossible for that Party to fulfill its obligations under this Agreement or which will substantially delay such fulfillment, whether or not such circumstances and conditions were reasonably foreseeable (“Force Majeure”). The Party alleging Force Majeure shall take reasonable action and undertake necessary measures to resume as soon as possible any of its obligations under this Agreement. Each Party shall provide notice of a Force Majeure to the other Party immediately in accordance with the notice provision.

12.7 This Agreement constitutes the entire agreement between the Parties pertaining to the subject matter of this Agreement and supersedes all prior correspondence, agreements, negotiations, discussions and understandings, written or oral.

12.8 This Agreement may be supplemented, amended, restated or replaced only by written agreement signed by each Party.

12.9 This Agreement shall be governed and interpreted in accordance with the laws of the Province of Ontario and the laws of Canada applicable in that province. If a dispute arises out of, or in connection with, this Agreement, the Parties agree to pursue resolution through negotiation or other appropriate dispute resolution process before resorting to litigation.

12.10 Any notice, demand or other communication (in this Section, a “Notice”) required or permitted to be given or made under this Agreement must be in writing and is sufficiently given if sent by email, to:

- (i) **if to the College:** Vice President, Academic Experience and Chief Learning Officer, by email: VPA@flemingcollege.ca, with a copy to Pathways Office pathways@flemingcollege.ca.

(ii) **if to Queen's:** Bachelor of Health Sciences Office, by email: bhsc@queensu.ca, with a copy to Bachelor of Health Sciences Advising bhscadvisor@queensu.ca

12.11 Neither Party may assign or transfer, whether absolutely, by way of security or otherwise, all or any part of its rights or obligations under this Agreement without the prior written consent of the other Party.

12.12 This Agreement is binding on and inures to the benefit of the Party and their successors and permitted assigns.

12.13 Each Party shall promptly do, deliver or cause to be done, executed and delivered all further acts, documents and matters in connection with this Agreement that any other Party may reasonably require, for the purposes of giving effect to this Agreement.

12.14 This Agreement may be executed in any number of counterparts, each of which shall be deemed to be an original and all of which taken together constitute one Agreement. Delivery of an executed counterpart of this Agreement by facsimile or transmitted electronically in legible form, including without limitations in a tagged image format file (TIFF) or portable document format (PDF), shall be equally effective as delivery of a manually executed counterpart of this Agreement.

Queen's University at Kingston

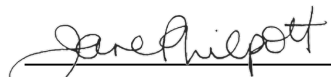
Per:



Dr. Mark F. Green
Provost and Vice-Principal (Academic)
Queen's University at Kingston

March 30, 2022

Date



Dr. Jane Philpott
Dean, Faculty of Health Sciences

March 23, 2022

Date

The Sir Sandford Fleming College of Applied Arts and Technology:

Per



Sandra Dupret
Executive Vice President, Academic and Student Experience

March 21, 2022

Date

Appendix A

Sir Sandford Fleming College's Ontario College Certificate in Pre-Health Science Pathway to Advanced Diplomas and Degrees Curriculum

Term 1	Term 2
COMM 201: Communications I (45 hrs)	COMM 20: Academic Writing and Research II (45hrs)
MATH 20: Mathematics for the Sciences (60 hrs)	MATH 21: Introductory Statistics for the Sciences (60 hrs)
SCIE 167: General & Human Biology I (60 hrs)	SCIE 168: General & Human Biology II (60 hrs)
SCIE 169: General and Organic Chemistry I (60hrs)	SCIE 170: General & Organic Chemistry II (60 hrs)
SOCI 36: Introduction to Psychology (45 hrs)	General Elective Credit (45 hrs)

Appendix B

Queen's Bachelor of Health Sciences (Honours) degree requirements

Year 1	Year 2	Year 3	Year 4
<p style="text-align: center;">Core Courses (18.0 units)</p> <ul style="list-style-type: none"> • Anatomy of the Human Body (ANAT100/3.0) • Social and Physical Determinants of Health and Disease (GLPH171/3.0) • History and Philosophy of Health and Healthcare (IDIS173/3.0) • Introduction to Statistics for the Health Sciences (HSCI 190/3.0) • Introductory Pharmacology (PHAR100/3.0) • Human Cell Physiology (PHGY170/3.0) 	<p style="text-align: center;">Core Courses (15.0 units)</p> <ul style="list-style-type: none"> • Biochemical Basis of Health and Disease (BCHM270/3.0) • Fundamentals of Research Methodology (HSCI270/3.0) • Global and Population Health (GLPH271/3.0) • Principles of Mammalian Physiology I (PHGY215/3.0) • Principles of Mammalian Physiology II (PHGY216/3.0) 	<p style="text-align: center;">Core Courses (15.0 units)</p> <ul style="list-style-type: none"> • Genetics and Genomics (BCHM370/3.0) • Reproduction and Development (REPD372/3.0) • Health Ethics, Law, and Policy (IDIS373/3.0) • Fundamentals of Pharmacology and Therapeutics (PHAR370/3.0) • Introduction to Pathology and Molecular Medicine (PATH310/3.0) 	<p style="text-align: center;">Core Courses (9.0 units)</p> <ul style="list-style-type: none"> • Advanced Global and Population Health (GLPH471/3.0) • Developmental Origins of Health and Disease (REPD73/3.0)
<p style="text-align: center;">Option Courses (6.0 units required)</p> <ul style="list-style-type: none"> • Introductory Biology of Cells (BIOL102/3.0) • Introductory Biology of Organisms (BIOL103/3.0) • General Chemistry I (CHEM113/3.0) • General Chemistry II (CHEM114/3.0) • Introduction to Literary Study (ENGL100/6.0) • Differential and Integral Calculus (MATH121/6.0) 	<p style="text-align: center;">Option Courses (9.0 units required)</p> <ul style="list-style-type: none"> • Interprofessional Approaches in Healthcare (IDIS280/3.0) • Molecular Biology (BCHM218/3.0) • General Organic Chemistry I (CHEM281/3.0) • General Organic Chemistry II (CHEM285/3.0) • Fundamentals of Human Nutrition (HLTH230/3.0) 	<p style="text-align: center;">Option Courses (9.0 units required)</p> <ul style="list-style-type: none"> • Evolutionary Biology of Cancer (CANC380/3.0) • Clinical Biochemistry (PATH381/3.0) • Advanced Research Methodologies (HSCI383/3.0) • Integrative Laboratory Studies (BMED390/3.0) • Microbes in Health and Disease (MICR320/3.0) • Fundamentals of Immunology in 	<p style="text-align: center;">Option Courses (15.0 units required)</p> <ul style="list-style-type: none"> • Special Populations: Neonatal to End-of-Life Care (GLPH472/3.0) • Principles of 'Omics' (BMED470/3.0) • Proteomics and Metabolomics (BCHM482/3.0) • Advanced Topics in Infectious Disease (BMED483/3.0) • Cardiovascular Sciences (CRSS454/3.0)

<ul style="list-style-type: none"> • Basic Physics (PHYS118/6.0) • Psychology (one of PSYC100; PSYC 101; PSYC 102; or PSYC 103) • Fundamentals of Effective Writing (WRIT120/3.0) • Fundamentals of Academic Essay Writing (WRIT125/3.0) • Understanding Human Disease in the 21st Century (PATH120/3.0) • The Science of Mental Health, Well-being, and Resiliency (IDIS199/3.0) 	<ul style="list-style-type: none"> • Introduction to Microbiology (MICR271/3.0) • Infection, Immunity, and Inflammation (MICR270/3.0) • Antibiotic Resistance Lab (MICR290/3.0) • Investigation of Human Physiological Responses (PHGY290/3.0) • Racism and Health in Canada (GLPH 281/3.0) 	<p>Health and Disease (MICR386/3.0)</p> <ul style="list-style-type: none"> • Drug and Environmental Toxicology (PHAR380/3.0) • Clinically Relevant Human Anatomy (ANAT380/3.0) • Biohacking and Gerontechnology (GLPH385/3.0) 	<ul style="list-style-type: none"> • Neurobiology of Learning and Memory (NSCI483/3.0) • Drug Discovery and Development (PHAR480/3.0) • Advanced Interprofessional Approaches in Healthcare (IDIS 480/3.0) • Human Embryology (ANAT 471/3.0) • Global Application of Health Informatics (GLPH 485/3.0) • Applied Health Ethics: Clinical, Organizational, and Research Perspectives (IDIS 483/3.0) • Health Sciences Research: (Advanced) Design and Methods (HSCI 591/3.0; HSCI 592/3.0; HSCI 598/6.0) • Health Sciences Research: (Advanced) Data Collection and Interpretation (HSCI 593/3.0; HSCI 594/3.0; HSCI 595/3.0; HSCI 599/6.0)
<p>Elective Courses (6.0 units required)</p> <ul style="list-style-type: none"> • Any course, including options 	<p>Elective Courses (6.0 units required)</p> <p>Any course, including options</p>	<p>Elective Courses (6.0 units required)</p> <p>Any course, including options</p>	<p>Elective Courses (6.0 units required)</p> <p>Any course, including options</p>