



**Fleming College**

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**Articulation Agreement**

**Queen's University: Bachelor of Health Sciences (Honours) Program**

**&**

**Sir Sandford Fleming College of Arts and Technology: Pre-Health Sciences**

**Pathway to Advanced Diplomas and Degrees Program**

## **Articulation Agreement Between**

**Queen's University (Queen's) and Sir Sandford Fleming College of Arts and  
Technology (the College)**

**Bachelor of Health Sciences (Honours) program and Pre-Health Sciences Pathway to  
Advanced Diplomas and Degrees program**

### **1. Purpose**

The purpose of this agreement is to outline the terms and conditions for students pursuing a Bachelor of Health Sciences (Honours) Degree building on the College's eligible certificate program(s).

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

NOW THIS MEMORANDUM WITNESSES THAT Queen's University's Faculty of Health Sciences (FHS) and the College agree to cooperate with the purpose of offering a pathway to degree completion in the Bachelor of Health Sciences (Honours) Degree Program to students of the College certificate programs listed below:

#### **Listing of Eligible Fleming College Program(s)**

- Pre-Health Sciences Pathway to Advanced Diplomas and Degrees (see Appendix A)
- This agreement is valid only for those applicants who have entered the Pre-Health Sciences Pathway to Advanced Diplomas and Degrees as of September 2016.

### **2. Tuition Fees**

2.1 Tuition fees should be paid separately to each institution attended at the time.

### **3. Academic and Non-Academic Regulations/Policies**

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

3.2 Students are subject to all FHS Bachelor of Health Sciences (Honours) Regulations, except where noted (refer to the BHSc(H) Admissions Regulations, section 6.3).

4. Non-Academic Fees

4.1 Non-Academic fees should be paid separately to each institution attended at the time.

5. BHSc(H) Admission Requirements

5.1 Individuals seeking admission to Queen's University's Bachelor of Health Sciences (Honours) (BHSc(H)) Degree program under this Articulation Agreement must have completed an appropriately matched College certificate program, and achieved a minimum Cumulative Grade Point Average of 3.0 (75%), as determined by Queen's University, in all courses taken.

5.2 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 University before the student commences a Degree program at the University.

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

6. Academic Progression

6.1 The BHSc(H) Program requires the completion of the Pre-Health Sciences Pathway to Advanced Diplomas and Degrees from the College prior to application (as indicated in Appendix A).

6.2 Transfer of 12.0 units will be granted upon admission from the aforementioned College program (See Section 7).

6.3 Once in the BHSc(H) program, 80% of core and option courses, and 50% of elective courses (specified in Appendix B) must be taken from Queen's University.

7. Transfer of Courses

7.1 Upon successful completion of the Pre-Health Sciences Pathway to Advanced Diplomas and Degrees program, with a minimum cumulative GPA of 3.0, students will be entitled to receive the following transfer credits towards the BHSc(H) program, provided that all human anatomy

and chemistry courses within the Pre-Health Sciences Pathway were completed with a minimum grade of C or higher as defined by Queen's University academic regulations:

- (i) ANAT 100 (3.0 units)
- (ii) CHEM 113 (3.0 units)
- (iii) CHEM 114 (3.0 units)
- (iv) UNSP 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.

Once in the BHSc(H) program, students will be required to take an additional 108.0 units of courses to complete their BHSc(H) degree (refer to the BHSc degree requirements, Appendix B).

## 8. Completion of Programs

8.1 BHSc(H) students will, upon program completion, graduate with a bachelor's degree from the Faculty of Health Sciences at Queen's University. The name of the program on the degree will be **Bachelor of Health Sciences (Honours)**.

## 9. General Matters

- 9.1 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.
- 9.2 The parties agree to evaluate and update this articulation agreement prior to the end of the listed period of validity or sooner as needed.
- 9.3 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.
- 9.4 Language Proficiency: English is the primary language of instruction at the University. It is essential that all students have an adequate knowledge in the areas of reading, writing, listening and speaking in the English language in order for them to be successful in their studies. It is the responsibility of the student to ensure 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 Queen's University English language proficiency requirements have been met. Further information regarding English language proficiency requirements can be found at <http://www.queensu.ca/admission/apply-high-school/how-apply/required-documents/test-facility-english>.

#### 10. Duration of Agreement


10.1 This agreement will come into effect on 1 July 2017 for a period of three (3) years and maybe renewed upon mutual agreement.

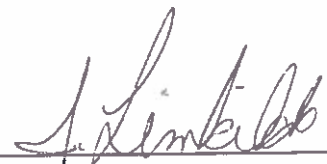
10.2 This agreement will be reviewed by the parties after each academic year (no later than August).

10.3 This agreement may be terminated by either party or by mutual agreement within a minimum of three (3) months written notice.


10.4 If the agreement is terminated, provision must be made by both institutions to allow students currently enrolled at the time of termination to complete the program.

Signatures:

  
\_\_\_\_\_  
Dr. Benoit-Antoine Bacon  
Provost and Vice-Principal (Academic)  
Queen's University

  
\_\_\_\_\_  
Judith Limkilde  
Vice President, Academic  
Fleming College

 23.5.2017  
\_\_\_\_\_  
Dr. Richard Reznick  
Dean, Faculty of Health Sciences

  
\_\_\_\_\_  
Sandra Dupret  
Dean, School of General Arts and Science

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

## Appendix A

### Fleming College's Pre-Health Sciences Pathway to Advanced Diplomas and Degrees Curriculum

<b>Term 1</b>	<b>Term 2</b>
Academic Writing and Research I (COMM 19)	Academic Writing and Research II (COMM 20)
Introductory Statistics for the Sciences (MATH 21)	Mathematics for the Sciences (MATH 20)
General & Human Biology I (SCIE 167)	General & Human Biology II (SCIE 168)
General and Organic Chemistry I (SCIE 169)	General & Organic Chemistry II (SCIE 170)
Introduction to Psychology (SOCI 36)	General Education Elective (SSFC 19)

## Appendix B

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

Year 1	Year 2	Year 3	Year 4
<p style="text-align: center;"><b>Core Courses (18.0 units)</b></p> <ul style="list-style-type: none"> <li>• Anatomy of the Human Body (ANAT100/3.0)</li> <li>• Social and Physical Determinants of Health and Disease (BMED171/3.0)</li> <li>• History and Philosophy of Health and Healthcare (BMED173/3.0)</li> <li>• Introduction to Statistics (STAT263/3.0)</li> <li>• Introductory Pharmacology (PHAR100/3.0)</li> <li>• Human Cell Physiology (PHGY170/3.0)</li> </ul>	<p style="text-align: center;"><b>Core Courses (15.0 units)</b></p> <ul style="list-style-type: none"> <li>• Biochemical Basis of Health and Disease (BCHM270/3.0)</li> <li>• Fundamentals of Research Methodology (BMED270/3.0)</li> <li>• Global and Population Health (BMED271/3.0)</li> <li>• Physiology for Health Sciences (PHGY210/6.0)</li> </ul>	<p style="text-align: center;"><b>Core Courses (15.0 units)</b></p> <ul style="list-style-type: none"> <li>• Genetics and Genomics (BMED370/3.0)</li> <li>• Reproduction and Development (BMED372/3.0)</li> <li>• Health Ethics, Law, and Policy (BMED373/3.0)</li> <li>• Fundamentals of Pharmacology, Toxicology, and Therapeutics (PHAR270/3.0)</li> <li>• Pathological Basis of Disease (PHGY370/3.0)</li> </ul>	<p style="text-align: center;"><b>Core Courses (9.0 units)</b></p> <ul style="list-style-type: none"> <li>• Advanced Global and Population Health (BMED471/3.0)</li> <li>• Special Populations: Neonatal to End-of-Life Care (BMED472/3.0)</li> <li>• Developmental Origins of Health and Disease (BMED473/3.0)</li> </ul>
<p style="text-align: center;"><b>Option Courses (6.0 units required)</b></p> <ul style="list-style-type: none"> <li>• Introductory Biology of Cells (BIOL1.2/3.0)</li> <li>• Introductory Biology of Organisms (BIOL103/3.0)</li> <li>• General Chemistry I (CHEM113/3.0)</li> <li>• General Chemistry II (CHEM114/3.0)</li> <li>• Introduction to Literary Study (ENGL100/6.0)</li> <li>• Differential and Integral Calculus (MATH121/6.0)</li> </ul>	<p style="text-align: center;"><b>Option Courses (9.0 units required)</b></p> <ul style="list-style-type: none"> <li>• Human Anatomy and Morphology (ANAT270/3.0)</li> <li>• Interprofessional Practice (IDIS280/3.0)</li> <li>• Molecular Biology (BCHM218/3.0)</li> <li>• General Organic Chemistry I (CHEM281/3.0)</li> <li>• General Organic Chemistry II (CHEM285/3.0)</li> <li>• Economics of Health Care (ECON243/3.0)</li> </ul>	<p style="text-align: center;"><b>Option Courses (9.0 units required)</b></p> <ul style="list-style-type: none"> <li>• Evolutionary Biology of Cancer (BMED380/3.0)</li> <li>• Clinical and Diagnostic Chemistry (BMED381/3.0)</li> <li>• Advanced Research Methodologies (BMED383/3.0)</li> <li>• Intensive Laboratory Course (BMED384/3.0)</li> <li>• Immunology (MICR370/3.0)</li> </ul>	<p style="text-align: center;"><b>Option Courses (15.0 units required)</b></p> <ul style="list-style-type: none"> <li>• Principles of 'Omics' (BMED470/3.0)</li> <li>• Proteomics and Metabolomics (BMED482/3.0)</li> <li>• Advanced Topics in Infectious Diseases (BMED483/3.0)</li> <li>• Cardiovascular Sciences (CRSS454/3.0)</li> <li>• Advances in Neuroscience (NSCI483/3.0)</li> </ul>

<ul style="list-style-type: none"> <li>• Basic Physics (PHYS118/6.0)</li> <li>• Psychology (PSYC100/6.0)</li> <li>• Fundamentals of Effective Writing (WRIT120/3.0)</li> <li>• Fundamentals of Academic Essay Writing (WRIT125/3.0)</li> </ul>	<ul style="list-style-type: none"> <li>• Fundamentals of Human Nutrition (HLTH230/3.0)</li> <li>• Introduction to Microbiology (MICR271/3.0)</li> <li>• Infection, Immunity, and Inflammation (MICR270/3.0)</li> </ul>	<ul style="list-style-type: none"> <li>• Microbes in Health and Disease (MICR382/3.0)</li> <li>• Drug and Environmental Toxicology (PHAR380/3.0)</li> </ul>	<ul style="list-style-type: none"> <li>• Drug Discovery and Development (PHAR480/3.0)</li> <li>• Interprofessional Practice (IDIS 480/3.0)</li> </ul>
<p><b>Elective Courses (6.0 units required)</b></p> <ul style="list-style-type: none"> <li>• Any online course, including options</li> </ul>	<p><b>Elective Courses (6.0 units required)</b></p> <p>Any online course, including options</p>	<p><b>Elective Courses (6.0 units required)</b></p> <p>Any online course, including options</p>	<p><b>Elective Courses (6.0 units required)</b></p> <p>Any online course, including options</p>