ARTICULATION AGREEMENT

ONTARIO COLLEGE ADVANCED DIPLOMA IN BIOTECHNOLOGY

TO

BACHELOR OF SCIENCE (HONOURS), BIOLOGY

BETWEEN

THE SIR SANDFORD FLEMING COLLEGE OF APPLIED ARTS AND TECHNOLOGY

AND

TRENT UNIVERSITY

ORIGINAL AGREEMENT DATE: SEPTEMBER, 2022

The Sir Sandford Fleming College of Applied Arts and Technology

Ontario College Advanced Diploma in Biotechnology - Advanced

to

Trent University's

Bachelor of Science (Honours), Biology

This agreement the principles, guidelines and procedures governing admission and assessment of selected qualified students to enter Trent University on an advanced standing basis, subsequent to the successful completion of Biotechnology - Advanced Diploma program at The Sir Sandford Fleming College of Applied Arts and Technology (Fleming College).

1. PURPOSE

1.1. The purpose of this agreement is to provide qualified graduates of Fleming College's Biotechnology – Advanced Diploma program with a seamless option for continuing their education in the Bachelor of Science (Honours), Biology degree program at Trent University.

2. ROLES AND RESPONSIBILITIES

2.1. Student Supports

Trent's program faculty will support incoming students by providing them with relevant information related to their program.

2.2. Admissions

The Admissions Office at Trent University will be responsible for ensuring that eligible students will be awarded credit transfers as stated in the agreement.

2.3. Recruitment and Marketing

Recruitment and Marketing representatives at Trent University will be responsible for promoting the articulation pathway and recruiting students.

2.4. Students

Through communication with program faculty and orientation sessions, students will be advised to consult academic advisors to ensure they are successfully completing program requirements.

3. TERMS AND CONDITIONS OF THE AGREEMENT

3.1. Graduates of Fleming College's Biotechnology – Advanced Diploma program will be granted 7.0 credits toward a 20.0 credit Bachelor of Science (Honours), Biology at Trent University.

3.2. Upon successful admission to Trent University, students are required to complete an additional 13.0 credits to meet degree requirements.

3.3. Students who have graduated from Fleming College's Biotechnology – Advanced Diploma program who commenced studies since ~~[~~Fall 2019, will be awarded the full 7.0 transfer credits provided they meet

admission requirements listed under Section 4 of this agreement. Students commencing studies prior to this term will be evaluated for transfer credits based on the previous version of this agreement, if applicable.

4. ADMISSION REQUIREMENTS

4.1. To qualify for this agreement, students must have:

- Successfully completed Fleming College's Biotechnology – Advanced Diploma;
- A minimum overall average of 75%.

4.2. Students must meet all specific admission and enrollment standards, and requirements for the program. Students will be accepted subject to capacity, if applicable.

5. TRANSFER OF CREDITS

5.1. Students who are eligible, graduating from Fleming College's Biotechnology – Advanced Diploma program with a minimum average of 75%, will be granted 7.0 credits toward the successful completion of a 20.0 credit Bachelor of Science (Honours), Biology at Trent University. Credits will be transferred as follows:

Fleming College Courses	Course equivalencies at Trent University	Credits received
SCIE 9 – Biology I (45 Hours) SCIE 10 – Biology II (45 Hours)	BIOL 1030H - Foundations of Cellular and Molecular Biology	0.5
SCIE 131 – Chemistry I (45 Hours)	CHEM 1000H – Introductory Chemistry I	0.5
SCIE 132 – Chemistry II (45 Hours)	CHEM 1010H – Introductory Chemistry II	0.5
SCIE 93 – Laboratory Physics (45 Hours)	PHYS 1000H – Foundations of Physics	0.5
SCIE 95 – Molecular Biology (60 Hours)	BIOL 3080H – Molecular Biology	0.5
SCIE 94 – Microbiology (60 Hours)	BIOL 3250H – Microbiology	0.5
SCIE 96 – Biochemistry (45 Hours)	CHEM 2300H – Biomechanical Concepts	0.5
LAWS 44 – Introduction to Canadian Justice System (45 Hours)	FRSC 1100H – Introduction to Canadian Justice	0.5
SCIE 146 – Forensic Chemistry (45 Hours)	FRSC 2220H – Forensic Chemistry	0.5
SCIE 89 - Forensic DNA Applications I (60 Hours) SCIE 90 - Forensic DNA Applications II (60 Hours) SCIE 91 - Forensic DNA Applications III (60 Hours) SCIE 92 - Forensic DNA Applications IV (90 Hours)	0.5 unassigned Forensics Science credit at the 1000 level	0.5
Completion of all program components	0.5 unassigned BIOL 2000 level 0.5 unassigned SCIE credit at the 1000 level 1.0 unassigned SCIE credit at the 2000 level	2.0

5.2. As these credits recognize areas covered in Fleming College's Biotechnology – Advanced Diploma program rather than the completion of Trent University courses, numerical grades will not be recorded on the Trent transcript. Completion of these credits will be recognized with a pass grade.

6. PROGAM AND GRADUATION REQUIREMENTS

6.1. Upon admission to the Bachelor of Science (Honours), Biology at Trent, students must satisfy all general education, graduation and major requirements as outlined in the University's undergraduate calendar. If a student does not have the foundation or skills to enroll in an upper level course because of a lack of the appropriate introductory course(s), any necessary prerequisite course(s) will be required.

6.2. If a student transfers to a different degree program, all transfer credits outlined in this agreement may not apply to the new degree program. It is the student's responsibility to consult an academic advisor, and to notify the Registrar's Office of any program changes.

6.3. To satisfy the requirements of Trent's Bachelor of Science (Honours), Biology, students will need to complete specific courses to meet program requirements in addition to the courses they have already been granted from Fleming College. Program requirements are subject to change annually and the Academic Calendar should be consulted for all degree requirements and regulations. http://www.trentu.ca/calendar.

Program Requirements	Courses Granted Through Transfer Equivalency	Courses Students Still Need to Take
3.5 BIOL credits consisting of BIOL 1020H, 1030H, 2000H, 2050H, 2070H, 2260H and 2600H	BIOL 1030H	2.5 BIOL credits consisting of 1020H, 2000H, 2050H, 2070H, 2260H and 2600H
5.0 BIOL, BIOC, or BIOM credit at the 3000 level or beyond	BIOL 3250H and 3080H	4.0 BIOL, BIOC, or BIOM credit at the 3000 level or beyond
1.5 BIOL, BIOC, or BIOM credit in addition to the above	0.5 unassigned BIOL 2000 level	1.0 BIOL, BIOC, or BIOM credit in addition to the above
1.0 CHEM credit consisting of CHEM 1000H and 1010H	CHEM 1000H and 1010H	---
0.5 PHYS credit from PHYS 1000H, 1001H or PHYS-BIOL 1060H	PHYS 1000H	---
0.5 credit in a humanities subject: AHCL, ARAB, ASLA, CAST, CHIN, COMM, CUST, ENGL, FREN, GESO, GREK, GRMN, HIST, ITAL, LATN, LING, PHIL, RUSS, SPAN, UNIV (excluding UNIV 1003H), WRIT	---	0.5 credit in a humanities subject: AHCL, ARAB, ASLA, CAST, CHIN, COMM, CUST, ENGL, FREN, GESO, GREK, GRMN, HIST, ITAL, LATN, LING, PHIL, RUSS, SPAN, UNIV (excluding UNIV 1003H), WRIT
8.0 additional credits	FRSC 1100H; FRSC 2200H 0.5 unassigned FRSC 1000 level; 0.5 unassigned SCIE 1000 level 1.0 unassigned SCIE 2000 level	5.0 additional credits
General University Requirements		
A minimum of 14.0 science credits, including 1.0 MATH credit	5.5 assigned through transfer credit	7.5 science credits required above; an additional 1.0 MATH credit required
A minimum of 7.0 credits at the 3000 or 4000 level	BIOL 3250H and 3080H	4.0 required above; Minimum 2.0 additional required
A minimum of 3.0 credits with a grade of 60% leading to majors in a different discipline	Fulfilled through transfer credits	

Maximum of 7.0 credits at the 1000 level	4.0 assigned through transfer credit	0.5 required above; 3.0 additional credits at the 1000 level permitted
Minimum of 0.5 credit from the Approved Indigenous Course List	---	Minimum 0.5 credit from the Approved Indigenous Course List

6.4. Completion of required courses will vary on an individual basis based on the flexibility and course options within the Bachelor of Science (Honours) degree and specific program chosen. Students must achieve the following to fulfill Trent University degree requirements:

i. A maximum of 7.0 credits at the 1000 level can count towards the degree;
ii. A maximum of 1.0 credit with a D grade (50-59%) in courses in a major or each joint-major or minor;
iii. At least 0.5 credit from the Approved Indigenous Course List;
iv. 7.0 credits completed at the 3000 or 4000 level through both program requirements and general elective options;
v. An overall minimum average of 65% in Trent University courses to obtain an Honours degree;
vi. The maximum credits in a discipline that can count towards the degree is 8.0 (General degree) or 13.0 (Honours degree);
vii. A minimum of 14.0 science credits (including 1.0 Math credit).

Note: It is recommended that students transferring into the Bachelor of Science (Honours), Biology meet with an Academic Advisor at Trent University prior to completing any course selections.

7. IMPLEMENTATION AND REVIEW

This agreement is subject to review whenever either party makes curricular changes that impact the agreement. When a change occurs, the program departments will notify their respective articulation designates so that the agreement can be updated. Articulation designates at each institution will review the agreement annually to ensure it is current. This agreement may be terminated by either party. In this case, notice of one year is required. In the event of termination of the agreement, every effort will be made to ensure that students currently enrolled in the program will not be affected.

8. ACCEPTANCE OF AGREEMENT

We, the undersigned, as the representatives of Trent University and Fleming College of Applied Arts and Technology hereby demonstrate our commitment to full implementation of the agreement.

For, and on behalf of,
Trent University

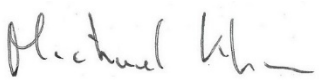
Dr. Holger Hintelmann
Dean of Science

September 29, 2022
Date

For, and on behalf of,
The Sir Sandford Fleming College of Applied Arts and Technology

Sandra Dupret
Executive Vice President, Academic and Student Experience

October 4, 2022
Date



Michael Khan
Provost & Vice-President Academic

October 3, 2022
Date

MARCH 2023

ADDENDUM

TO THE

ARTICULATION AGREEMENT #5865

BETWEEN

THE SIR SANDFORD FLEMING COLLEGE OF APPLIED ARTS AND TECHNOLOGY'S

BIOTECHNOLOGY – ADVANCED DIPLOMA

AND

TRENT UNIVERSITY'S

BACHELOR OF SCIENCE (HONOURS), BIOLOGY

This Addendum recognizes the changes outlined below, which shall become effective as of the Fall 2023 intake at Trent University. These changes will remain effective until the above-mentioned Agreement expires or until a new agreement is entered in to, whichever occurs first.

The following changes have occurred:

- Changes to requirements in the Biology degree program.

These changes specifically refer to Section 6 of the Agreement.

BACHELOR OF SCIENCE (HONOURS), BIOLOGY: PROGRAM REQUIREMENTS

Program Requirements	Courses Granted Through Transfer Equivalency	Courses Students Still Need to Take
3.5 BIOL credits consisting of BIOL 1020H, 1030H, 2000H, 2050H, 2070H, 2260H, and 2600H	BIOL 1030H	BIOL 1020H, 2000H, 2050H, 2070H, 2260H, and 2600H
5.0 BIOL, BIOC, or BIOM credits at the 3000 level or beyond	BIOL 3080H and 3250H	4.0 BIOL, BIOC, or BIOM credits at the 3000 level or beyond
1.5 BIOL, BIOC, or BIOM credits at the 2000 level or beyond in addition to the above	0.5 unassigned BIOL 2000 level	1.0 BIOL, BIOC, or BIOM credit at the 2000 level or beyond in addition to the above
1.0 CHEM credit consisting of CHEM 1000H and 1010H	CHEM 1000H and 1010H	---
1.0 MATH credit consisting of MATH 1051H and 1052H	---	MATH 1051H and 1052H
0.5 MATH credit from MATH 1005H or 1110H	---	MATH 1005H or 1110H
0.5 PHYS credit from PHYS 1000H, 1001H, or PHYS-BIOL 1060H	PHYS 1000H	---
0.5 credit in a humanities subject: AHCL, ARAB, ASLA, CAST, CHIN, COMM, CUST, ENGL, FREN, GESO, GREK, GRMN, HIST, ITAL, LATN, LING, PHIL, RUSS, SPAN, UNIV (excluding UNIV 1003H), WRIT	---	0.5 credit in a humanities subject: AHCL, ARAB, ASLA, CAST, CHIN, COMM, CUST, ENGL, FREN, GESO, GREK, GRMN, HIST, ITAL, LATN, LING, PHIL, RUSS, SPAN, UNIV (excluding UNIV 1003H), WRIT
6.5 additional credits	CHEM 2300H; FRSC 1100H and 2220H;	3.0 additional credits

	0.5 unassigned FRSC 1000 level; 0.5 unassigned SCIE 1000 level; 1.0 unassigned SCIE 2000 level	
General University Requirements		
A minimum of 14.0 science credits, including 1.0 MATH credit	5.5 assigned through transfer credit	Fulfilled through program requirements
A minimum of 7.0 credits at the 3000 or 4000 level	1.0 assigned through transfer credit	4.0 required above; Minimum 2.0 additional required
A minimum of 3.0 credits with a grade of 60% leading to majors in a different discipline	Fulfilled through program requirements	---
Maximum of 7.0 credits at the 1000 level	3.5 assigned through transfer credit	2.0 required above; Maximum 1.5 additional permitted
Minimum of 0.5 credit from the Approved Indigenous Course List	---	Minimum 0.5 credit from the Approved Indigenous Course List

JUNE 2023

ADDENDUM

TO THE

ARTICULATION AGREEMENT #5865

BETWEEN

THE SIR SANDFORD FLEMING COLLEGE OF APPLIED ARTS AND TECHNOLOGY'S ONTARIO COLLEGE ADVANCED DIPLOMA IN BIOTECHNOLOGY

AND

TRENT UNIVERSITY'S BACHELOR OF SCIENCE (HONOURS), BIOLOGY

This Addendum recognizes the changes outlined below, which became effective as of the Fall 2022 intake at Fleming College. These changes will remain effective until the above-mentioned Agreement expires or until a new agreement is entered in to, whichever occurs first.

The following changes have occurred:

- INDG 49 – Introduction to Indigenous Studies (45 hours) has been added to the Biotechnology – Advanced Diploma at Fleming College. The transfer credit block has been adjusted to replace 0.5 unassigned Science credit at the 1000 level with INDG 1001H – The Foundation for Reconciliation.
- The degree requirement chart has been updated to reflect the new transfer credit block.

These changes specifically refer to Sections 5 and 6 of the Agreement.

BACHELOR OF SCIENCE (HONOURS), BIOLOGY: TRANSFER CREDITS

Students graduating from Fleming College's Biotechnology – Advanced Diploma program with a minimum overall average of 75%, who are eligible, will be granted 7.0 credits toward the successful completion of a 20.0 credit Bachelor of Science (Honours) in Biology degree.

Courses Completed at Fleming College	Course Equivalencies at Trent University	# of Credits Received
SCIE 9 – Biology I (45 hours); SCIE 10 – Biology II (45 hours)	BIOL 1030H – Foundations of Cellular and Molecular Biology	0.5
SCIE 95 – Molecular Biology (60 hours)	BIOL 3080H – Molecular Biology	0.5
SCIE 94 – Microbiology (60 hours)	BIOL 3250H – Microbiology	0.5
SCIE 131 – Chemistry I (45 hours)	CHEM 1000H – Introductory Chemistry I	0.5
SCIE 132 – Chemistry II (45 hours)	CHEM 1010H – Introductory Chemistry II	0.5
SCIE 96 – Biochemistry (45 hours)	CHEM 2300H – Biochemical Concepts	0.5
LAWS 44 – Introduction to Canadian Justice System (45 hours)	FRSC 1100H – Introduction to Canadian Justice	0.5
SCIE 146 – Forensic Chemistry (45 hours)	FRSC 2220H – Forensic Chemistry	0.5
INDG 49 – Introduction to Indigenous Studies (45 hours)	INDG 1001H – Foundation for Reconciliation	0.5
SCIE 93 – Laboratory Physics (45 hours)	PHYS 1000H – Foundations of Physics	0.5

SCIE 89 – Forensic DNA Applications I (60 hours); SCIE 90 – Forensic DNA Applications II (60 hours); SCIE 91 – Forensic DNA Applications III (60 hours); SCIE 92 – Forensic DNA Applications IV (90 hours)	0.5 unassigned Forensic Science credit at the 1000 level	0.5
Completion of all program components	0.5 unassigned Biology credit at the 2000 level; 1.0 unassigned Science credit at the 2000 level	1.5

BACHELOR OF SCIENCE (HONOURS), BIOLOGY: PROGRAM REQUIREMENTS

Program Requirements	Courses Granted Through Transfer Equivalency	Courses Students Still Need to Take
3.5 BIOL credits consisting of BIOL 1020H, 1030H, 2000H, 2050H, 2070H, 2260H, and 2260H	BIOL 1030H	BIOL 1020H, 2000H, 2050H, 2070H, 2260H, and 2260H
5.0 BIOL, BIOC, or BIOM credits at the 3000 level or beyond	BIOL 3080H and 3250H	4.0 BIOL, BIOC, or BIOM credits at the 3000 level or beyond
1.5 BIOL, BIOC, or BIOM credits at the 2000 level or beyond in addition to the above	0.5 unassigned BIOL 2000 level	1.0 BIOL, BIOC, or BIOM credits at the 2000 level or beyond in addition to the above
1.0 CHEM credit consisting of CHEM 1000H and 1010H	CHEM 1000H and 1010H	---
1.0 MATH credit consisting of MATH 1051H and 1052H	---	MATH 1051H and 1052H
0.5 MATH credit from MATH 1005H or 1110H	---	MATH 1005H or 1110H
0.5 PHYS credit from PHYS 1000H, 1001H, or PHYS-BIOL 1060H	PHYS 1000H	---
0.5 credit in a humanities subject: AHCL, ARAB, ASLA, CAST, CHIN, COMM, CUST, ENGL, FREN, GESO, GREK, GRMN, HIST, ITAL, LATN, LING, PHIL, RUSS, SPAN, UNIV (excluding UNIV 1003H), WRIT	---	0.5 credit in a humanities subject: AHCL, ARAB, ASLA, CAST, CHIN, COMM, CUST, ENGL, FREN, GESO, GREK, GRMN, HIST, ITAL, LATN, LING, PHIL, RUSS, SPAN, UNIV (excluding UNIV 1003H), WRIT
6.5 additional credits	CHEM 2300H; FRSC 1100H and 2220H; INDG 1001H; 0.5 unassigned FRSC 1000 level; 1.0 unassigned SCIE 2000 level	3.0 additional credits
General University Requirements		
A minimum of 14.0 science credits, including 1.0 MATH credit	6.5 assigned through transfer credit	Fulfilled through program requirements, including 1.0 MATH credit
A minimum of 7.0 credits at the 3000 or 4000 level	1.0 assigned through transfer credit	4.0 required above; Minimum 2.0 additional required
A minimum of 3.0 credits with a grade of 60% leading to majors in a different discipline	Fulfilled through transfer credit	---
Maximum of 7.0 credits at the 1000 level	3.5 assigned through transfer credit	2.0 required above; Maximum 1.5 additional required
Minimum of 0.5 credit from the Approved Indigenous Course List	INDG 1001H	---

JANUARY 2024

ADDENDUM

TO THE

ARTICULATION AGREEMENT #5865

BETWEEN

THE SIR SANDFORD FLEMING COLLEGE OF APPLIED ARTS AND TECHNOLOGY'S ONTARIO COLLEGE ADVANCED DIPLOMA IN BIOTECHNOLOGY

AND

TRENT UNIVERSITY'S BACHELOR OF SCIENCE (HONOURS), BIOLOGY

This Addendum recognizes the changes outlined below, which became effective as of the Fall 2023 intake at Fleming College. These changes will remain effective until the above-mentioned Agreement expires or until a new agreement is entered in to, whichever occurs first.

The following changes have occurred:

- Updated transfer credit block to reflect the following changes in the Biotechnology – Advanced Diploma:
    - LAWS 44 – Introduction to Canadian Justice System (45 hours) has been removed from the program;
- The degree requirement chart has been updated to reflect the new transfer credit block.

These changes specifically refer to Sections 5 and 6 of the Agreement.

BACHELOR OF SCIENCE (HONOURS), BIOLOGY: TRANSFER CREDITS

Students graduating from Fleming College's Biotechnology – Advanced Diploma program with a minimum overall average of 75%, who are eligible, will be granted 7.0 credits toward the successful completion of a 20.0 credit Bachelor of Science (Honours) in Biology degree.

Courses Completed at Fleming College	Course Equivalencies at Trent University	# of Credits Received
SCIE 9 – Biology I (45 hours); SCIE 10 – Biology II (45 hours)	BIOL 1030H – Foundations of Cellular and Molecular Biology	0.5
SCIE 95 – Molecular Biology (60 hours)	BIOL 3080H – Molecular Biology	0.5
SCIE 94 – Microbiology (60 hours)	BIOL 3250H – Microbiology	0.5
SCIE 131 – Chemistry I (45 hours)	CHEM 1000H – Introductory Chemistry I	0.5
SCIE 132 – Chemistry II (45 hours)	CHEM 1010H – Introductory Chemistry II	0.5
SCIE 96 – Biochemistry (45 hours)	CHEM 2300H – Biochemical Concepts	0.5
SCIE 146 – Forensic Chemistry (45 hours)	FRSC 2220H – Forensic Chemistry	0.5
INDG 49 – Introduction to Indigenous Studies (45 hours)	INDG 1001H – Foundation for Reconciliation	0.5
SCIE 93 – Laboratory Physics (45 hours)	PHYS 1000H – Foundations of Physics	0.5
SCIE 89 – Forensic DNA Applications I (60 hours); SCIE 90 – Forensic DNA Applications II (60 hours);	0.5 unassigned Forensic Science credit at the 1000 level	0.5

SCIE 91 – Forensic DNA Applications III (60 hours); SCIE 92 – Forensic DNA Applications IV (90 hours)		
Completion of all program components	0.5 unassigned Biology credit at the 2000 level; 0.5 unassigned Science credit at the 1000 level; 1.0 unassigned Science credit at the 2000 level	2.0

BACHELOR OF SCIENCE (HONOURS), BIOLOGY: PROGRAM REQUIREMENTS

Program Requirements	Courses Granted Through Transfer Equivalency	Courses Students Still Need to Take
3.5 BIOL credits consisting of BIOL 1020H, 1030H, 2000H, 2050H, 2070H, 2260H, and 2260H	BIOL 1030H	BIOL 1020H, 2000H, 2050H, 2070H, 2260H, and 2260H
5.0 BIOL, BIOC, or BIOM credits at the 3000 level or beyond	BIOL 3080H and 3250H	4.0 BIOL, BIOC, or BIOM credits at the 3000 level or beyond
1.5 BIOL, BIOC, or BIOM credits at the 2000 level or beyond in addition to the above	0.5 unassigned BIOL 2000 level	1.0 BIOL, BIOC, or BIOM credits at the 2000 level or beyond in addition to the above
1.0 CHEM credit consisting of CHEM 1000H and 1010H	CHEM 1000H and 1010H	---
1.0 MATH credit consisting of MATH 1051H and 1052H	---	MATH 1051H and 1052H
0.5 MATH credit from MATH 1005H or 1110H	---	MATH 1005H or 1110H
0.5 PHYS credit from PHYS 1000H, 1001H, or PHYS-BIOL 1060H	PHYS 1000H	---
0.5 credit in a humanities subject: AHCL, ARAB, ASLA, CAST, CHIN, COMM, CUST, ENGL, FREN, GESO, GREK, GRMN, HIST, ITAL, LATN, LING, PHIL, RUSS, SPAN, UNIV (excluding UNIV 1003H), WRIT	---	0.5 credit in a humanities subject: AHCL, ARAB, ASLA, CAST, CHIN, COMM, CUST, ENGL, FREN, GESO, GREK, GRMN, HIST, ITAL, LATN, LING, PHIL, RUSS, SPAN, UNIV (excluding UNIV 1003H), WRIT
6.5 additional credits	CHEM 2300H; FRSC 2220H; INDG 1001H; 0.5 unassigned FRSC 1000 level; 0.5 unassigned SCIE 1000 level; 1.0 unassigned SCIE 2000 level	3.0 additional credits
General University Requirements		
A minimum of 14.0 science credits, including 1.0 MATH credit	6.5 assigned through transfer credit	Fulfilled through program requirements, including 1.0 MATH credit
A minimum of 7.0 credits at the 3000 or 4000 level	1.0 assigned through transfer credit	4.0 required above; Minimum 2.0 additional required
A minimum of 3.0 credits with a grade of 60% leading to majors in a different discipline	Fulfilled through transfer credit	---
Maximum of 7.0 credits at the 1000 level	3.5 assigned through transfer credit	2.0 required above; Maximum 1.5 additional required
Minimum of 0.5 credit from the Approved Indigenous Course List	INDG 1001H	---

FEBRUARY 2024

ADDENDUM

TO THE

ARTICULATION AGREEMENT #5865

BETWEEN

THE SIR SANDFORD FLEMING COLLEGE OF APPLIED ARTS AND TECHNOLOGY'S ONTARIO COLLEGE ADVANCED DIPLOMA IN BIOTECHNOLOGY

AND

TRENT UNIVERSITY'S BACHELOR OF SCIENCE (HONOURS), BIOLOGY

This Addendum recognizes the changes outlined below, which shall become effective as of the Fall 2024 intake at Trent University. These changes will remain effective until the above-mentioned Agreement expires or until a new agreement is entered in to, whichever occurs first.

The following changes have occurred:

- Updated transfer credit chart to reflect the deletion of FRSC 2220H – Forensic Chemistry;
- Updated degree requirement chart to reflect the new transfer credit block.

These changes specifically refer to Sections 5 and 6 of the Agreement.

BACHELOR OF SCIENCE (HONOURS), BIOLOGY: TRANSFER CREDITS

Students graduating from Fleming College's Biotechnology – Advanced Diploma program with a minimum overall average of 75%, who are eligible, will be granted 7.0 credits toward the successful completion of a 20.0 credit Bachelor of Science (Honours) in Biology degree.

Courses Completed at Fleming College	Course Equivalencies at Trent University	# of Credits Received
SCIE 9 – Biology I (45 hours); SCIE 10 – Biology II (45 hours)	BIOL 1030H – Foundations of Cellular and Molecular Biology	0.5
SCIE 95 – Molecular Biology (60 hours)	BIOL 3080H – Molecular Biology	0.5
SCIE 94 – Microbiology (60 hours)	BIOL 3250H – Microbiology	0.5
SCIE 131 – Chemistry I (45 hours)	CHEM 1000H – Introductory Chemistry I	0.5
SCIE 132 – Chemistry II (45 hours)	CHEM 1010H – Introductory Chemistry II	0.5
SCIE 96 – Biochemistry (45 hours)	CHEM 2300H – Biochemical Concepts	0.5
INDG 49 – Introduction to Indigenous Studies (45 hours)	INDG 1001H – The Foundation for Reconciliation	0.5
SCIE 93 – Laboratory Physics (45 hours)	PHYS 1000H – Foundations of Physics	0.5
SCIE 89 – Forensic DNA Applications I (60 hours); SCIE 90 – Forensic DNA Applications II (60 hours); SCIE 91 – Forensic DNA Applications III (60 hours); SCIE 92 – Forensic DNA Applications IV (90 hours)	0.5 unassigned Forensic Science credit at the 1000 level	0.5
SCIE 146 – Forensic Chemistry (45 hours)	0.5 unassigned Forensic Science credit at the 2000 level	0.5

Completion of all program components	0.5 unassigned Biology credit at the 2000 level; 0.5 unassigned Science credit at the 1000 level; 1.0 unassigned Science credit at the 2000 level	2.0

BACHELOR OF SCIENCE (HONOURS), BIOLOGY: PROGRAM REQUIREMENTS

Program Requirements	Courses Granted Through Transfer Equivalency	Courses Students Still Need to Take
3.5 BIOL credits consisting of BIOL 1020H, 1030H, 2000H, 2050H, 2070H, 2260H, and 2600H	BIOL 1030H	BIOL 1020H, 2000H, 2050H, 2070H, 2260H, and 2600H
5.0 BIOL, BIOC, or BIOM credits at the 3000 level or beyond	BIOL 3080H and 3250H	4.0 BIOL, BIOC, or BIOM credits at the 3000 level or beyond
1.5 BIOL, BIOC, or BIOM credits at the 2000 level or beyond in addition to the above	0.5 unassigned BIOL 2000 level	1.0 BIOL, BIOC, or BIOM credits at the 2000 level in addition to the above
1.0 CHEM credit consisting of CHEM 1000H and 1010H	CHEM 1000H and 1010H	---
1.0 MATH credit consisting of MATH 1051H and 1052H	---	MATH 1051H and 1052H
0.5 MATH credit from MATH 1005H or 1110H	---	MATH 1005H or 1110H
0.5 PHYS credit from PHYS 1000H, 1001H, or PHYS-BIOL 1060H	PHYS 1000H	---
0.5 credit in a humanities subject: AHCL, ARAB, ASLA, CAST, CHIN, COMM, CUST, ENGL, FREN, GESO, GREK, GRMN, HIST, ITAL, LATN, LING, PHIL, RUSS, SPAN, UNIV (excluding UNIV 1003H), WRIT	---	0.5 credit in a humanities subject: AHCL, ARAB, ASLA, CAST, CHIN, COMM, CUST, ENGL, FREN, GESO, GREK, GRMN, HIST, ITAL, LATN, LING, PHIL, RUSS, SPAN, UNIV (excluding UNIV 1003H), WRIT
6.5 additional credits	CHEM 2300H; INDG 1001H; 0.5 unassigned FRSC 1000 level; 0.5 unassigned FRSC 2000 level; 0.5 unassigned SCIE 1000 level; 1.0 unassigned SCIE 2000 level	3.0 additional credits
General University Requirements		
A minimum of 14.0 science credits, including 1.0 MATH credit	6.5 assigned through transfer credit	Fulfilled through program requirements, including 1.0 MATH credit
A minimum of 7.0 credits at the 3000 or 4000 level	1.0 assigned through transfer credit	4.0 required above; Minimum 2.0 additional required
A minimum of 3.0 credits with a grade of 60% leading to majors in a different discipline	Fulfilled through transfer credit	---
Maximum of 7.0 credits at the 1000 level	3.5 assigned through transfer credit	2.0 required above; Maximum 1.5 additional required
Minimum of 0.5 credit from the Approved Indigenous Course List	INDG 1001H	---