



**ARTICULATION AGREEMENT  
RENEWAL:  
ONTARIO COLLEGE ADVANCED DIPLOMA IN BIOTECHNOLOGY  
TO  
BACHELOR OF ARTS AND BACHELOR OF SCIENCE JOINT-MAJOR PROGRAMS  
IN FORENSIC SCIENCE  
BETWEEN  
THE SIR SANDFORD FLEMING COLLEGE OF APPLIED ARTS AND  
TECHNOLOGY  
AND  
TRENT UNIVERSITY**

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**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 Arts and Bachelor of Science Joint-Major Programs in Forensic Science

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This agreement re-establishes 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 the Biotechnology - Advanced Diploma program at The Sir Sandford Fleming College of Applied Arts and Technology (Fleming College).

This agreement replaces all previous versions of the Agreement – ONCAT #2099 & 2100.

### **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 Forensic Science 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 Arts or Bachelor of Science Joint-Major Program in Forensic Science 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 in either Bachelor of Arts or Bachelor of Science Joint-Major Program in Forensic Science. Credits will be transferred as follows:

<b>Course equivalencies block at Trent University</b>	<b>Credits received</b>
FRSC 1011H – Introduction to Crime Science Investigation	0.5
FRSC 1100H – Introduction to Canadian Justice	0.5
FRSC 2030H – Foundations in Forensics Science	0.5
FRSC 2050H – Introduction to Genetics	0.5
FRSC 2220H – Forensic Chemistry	0.5
BIOL 1030H – Foundations of Cellular and Molecular Biology	0.5
BIOL 3080H – Molecular Biology	0.5
CHEM 1000H – Introductory to Chemistry I	0.5
CHEM 1010H – Introductory to Chemistry II	0.5
PHYS 1000H – Foundations of Physics	0.5
0.5 unassigned BIOL 2000 Level	0.5
0.5 unassigned SCIE 1000 Level	0.5
1.0 unassigned SCIE 2000 Level	1.0

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) or Bachelor of Arts (Honours) 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 Arts (Honours) or Bachelor of Science (Honours) Joint-Major Programs in Forensic Science, 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
3.0 FRSC credits consisting of FRSC 1011H, 1100H, 2020H, 2030H, 3010H and 3100H	FRSC 1011H, 1100H, and 2030H	FRSC 2020H, 3010H and 3100H
2.5 FRSC credits at the 3000 level or beyond in addition to the above	---	2.5 FRSC credits at the 3000 level or beyond in addition to the above
1.5 FRSC credits in addition to the above	FRSC 2050H and 2220H	0.5 FRSC credit in addition to the above
Additional credits	BIOL 1030H and 3080H; CHEM 1000H and 1010H; PHYS 1000H 0.5 unassigned BIOL 2000 Level; 0.5 unassigned SCIE 1000 level 1.0 unassigned SCIE 2000 Level	Additional credits can be used to either meet elective degree requirements or the requirements of the other joint-major program.
<b>Requirements for Second Discipline in Joint-Major</b>		
<ul style="list-style-type: none"> <li>Students are referred to the academic calendar for specific departmental joint-major requirements</li> <li>Suggested disciplines that align well with a joint-major in Forensic Science include Biology, Chemistry, Psychology, Sociology and Anthropology. Students are welcome to pursue other options according to their interest</li> <li>It is strongly recommended that students discuss their academic program with an academic advisor prior to registering for courses</li> <li>The same course may not simultaneously satisfy the requirements for both programs in a joint-major degree</li> </ul>		
<b>General University Requirements</b>		
<b>A minimum of 14.0 science credits, including 1.0 MATH credit (for Bachelor of Science option only)</b>	6.5 assigned through transfer credit	1.5 required above; Minimum 5.0 additional required, including 1.0 MATH credit

A minimum of 7.0 credits at the 3000 or 4000 level	BIOL 3080H	3.5 required above; Minimum 3.0 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	3.5 assigned through transfer credit	0.0 required above; 3.5 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) or Bachelor of Arts (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 (Bachelor of Science degree only).

*Note: It is recommended that students transferring into Trent's Bachelor of Arts (Honours) or Bachelor of Science (Honours) Joint-Major Program in Forensic Science 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

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



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Dr. Holger Hintelmann  
Dean of Science

September 29, 2022

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Date



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Sandra Dupret  
Executive Vice President, Academic and Student  
Experience

October 4, 2022

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Date



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Michael Khan  
Provost & Vice-President Academic

October 3, 2022

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Date

## **ADDENDUM RECORD FOR ARTICULATION AGREEMENT #2099**

- **DECEMBER 2022:**
  - Updated transfer credit block to reflect the deletion of FRSC 2010H and 2010H at Trent University;
  - Updated degree requirement chart to reflect the new transfer credit block.
- **APRIL 2023:**
  - Changes to Forensic Science joint-major degree requirements for Fall 2023.
- **JUNE 2023:**
  - Updated transfer credit block to reflect changes to the Biotechnology Advanced Diploma curriculum for Fall 2022 adding INDG 49 – Introduction to Indigenous Studies;
  - Updated degree requirement chart to reflect the new transfer credit block.
- **JANUARY 2024:**
  - Updated transfer credit block to reflect changes to Biotechnology Advanced Diploma curriculum for Fall 2023;
  - Updated degree requirement chart to reflect the new transfer credit block.
- **FEBRUARY 2024:**
  - Updated transfer credit block to reflect the deletion of FRSC 2220H at Trent University for Fall 2024;
  - Updated degree requirement chart to reflect the new transfer credit block.
- **OCTOBER 2024:**
  - Addition of exemptions for courses satisfying requirements for both programs for students pursuing joint-majors in Forensic Science and Anthropology.
- **FEBRUARY 2025:**
  - Updated transfer credit block to reflect the renumbering of FRSC 1011H to 2011H and FRSC 2030H to 1030H;
  - Updated degree requirement chart to reflect the new transfer credit block.
- **MAY 2025:**
  - Updated notes to address students pursuing a joint-major in Forensic Science and Chemistry.
- **DECEMBER 2025:**
  - Updated notes to address students pursuing a joint-major in Forensic Science and Biology.
- **JANUARY 2026:**
  - Changes to requirements for the Forensic Science joint-major degree.

DECEMBER 2022  
**ADDENDUM**  
TO THE  
**ARTICULATION AGREEMENT #2099**  
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), FORENSIC SCIENCE AND SCIENCE JOINT-MAJOR**

This Addendum recognizes the changes outlined below, which shall become effective immediately. These changes will remain effective until the above-mentioned Agreement expires or until a new agreement is entered in to, whichever occurs first.

The transfer block outlined for cohorts beginning studies at Fleming College between Fall 2010 and Fall 2018 has been updated to reflect current curriculum at Trent University. The following changes have occurred:

- FRSC 1010H – Introduction to Forensic Science was eliminated as a course offering. As a result, FRSC 2030H – Foundations in Forensic Science will be awarded in its place.
- FRSC 2010H – Mentorship Program was eliminated as a course offering. As a result, FRSC 3020H – Workplace Readiness and Professional Ethics will be awarded in its place.

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

**BACHELOR OF SCIENCE (HONOURS), FORENSIC SCIENCE AND SCIENCE JOINT-MAJOR: TRANSFER CREDITS**

Students graduating from the 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 Forensics and Science Joint-Major degree.

<b>Course equivalencies at Trent University</b>	<b>Credits received</b>
FRSC 1011H – Introduction to Crime Scene Investigation	0.5
FRSC 1100H – Introduction to Canadian Justice	0.5
FRSC 2030H – Foundations in Forensic Science	0.5
FRSC-BIOL 2050H – Introduction to Genetics	0.5
FRSC 3020H – Workplace Readiness and Professional Ethics	0.5
BIOL 1030H – Foundations of Cellular and Molecular Biology	0.5
CHEM 1000H – Introductory Chemistry I	0.5
CHEM 1010H – Introductory Chemistry II	0.5
CHEM-BIOL 2300H – Biochemical Concepts	0.5
1.0 unassigned Biology credit at the 2000 level	1.0
0.5 unassigned Physics credit at the 1000 level	0.5
0.5 unassigned Science credit at the 1000 level	0.5



0.5 unassigned Science credit at the 2000 level	0.5
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### **BACHELOR OF ARTS (HONOURS), FORENSIC SCIENCE AND ARTS JOINT-MAJOR: PROGRAM REQUIREMENTS**

<b>Program Requirements</b>	<b>Courses Granted Through Transfer Equivalency</b>	<b>Courses Students Still Need to Take</b>
<b>3.0 FRSC credits consisting of FRSC 1011H, 1100H, 2020H, 2030H, 3010H, and 3100H</b>	FRSC 1011H, 1100H, and 2030H	FRSC 2020H, 3010H and 3100H
<b>2.5 FRSC credits at the 3000 level or beyond in addition to the above</b>	FRSC 3020H	2.0 FRSC credits at the 3000 level or beyond in addition to the above
<b>1.5 FRSC credits in addition to the above</b>	FRSC 2050H	1.0 FRSC credit in addition to the above
<b>13.0 additional credits, including requirements for second major</b>	BIOL 1030H; CHEM 1000H, 1010H and 2300H; 1.0 unassigned BIOL 2000 level; 0.5 unassigned PHYS 1000 level; 0.5 unassigned SCIE 1000 level; 0.5 unassigned SCIE 2000 level	8.5 additional credits, including requirements for second major
<b>General University Requirements</b>		
<b>A minimum of 14.0 science credits, including at least 1.0 Math credit</b>	6.0 assigned through transfer credit	Minimum 1.5 required above; Minimum 6.5 additional required, including 1.0 Math
<b>A minimum of 7.0 credits at the 3000 or 4000 level</b>	0.5 assigned through transfer credit	4.0 required above; Minimum 2.5 additional required
<b>A minimum of 3.0 credits with a grade of 60% leading to majors in a different discipline</b>	Fulfilled through transfer credit	---
<b>Maximum of 7.0 credits at the 1000 level</b>	3.5 assigned through transfer credit	Maximum 3.5 additional permitted
<b>Minimum of 0.5 credit from the Approved Indigenous Course List</b>	---	Minimum 0.5 credit from the Approved Indigenous Course List

APRIL 2023  
**ADDENDUM**  
 TO THE  
**ARTICULATION AGREEMENT #2099**  
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**ONTARIO COLLEGE ADVANCED DIPLOMA IN BIOTECHNOLOGY**  
 AND  
**TRENT UNIVERSITY'S**  
**BACHELOR OF SCIENCE (HONOURS), FORENSIC SCIENCE AND SCIENCE JOINT-MAJOR**

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 Forensic Science Joint-Major program.

These changes specifically refer to Section 6 of the Agreement.

**BACHELOR OF SCIENCE (HONOURS), FORENSIC SCIENCE AND SCIENCE JOINT-MAJOR: PROGRAM REQUIREMENTS**

Program Requirements	Courses Granted Through Transfer Equivalency	Courses Students Still Need to Take
3.0 FRSC credits consisting of FRSC 1011H, 1100H, 2020H, 2030H, 3010H, and 3100H	FRSC 1011H, 1100H, and 2030H	FRSC 2020H, 3010H, and 3100H
2.5 FRSC credits at the 3000 level or beyond in addition to the above	---	2.5 FRSC credits at the 3000 level or beyond in addition to the above
1.5 FRSC credits in addition to the above	FRSC 2050H and 2220H	0.5 FRSC credit in addition to the above
1.0 MATH credit at the 1000 level	---	1.0 MATH credit at the 1000 level
1.0 BIOL credit or 1.0 CHEM credit at the 1000 level	CHEM 1000H and 1010H	---
11.0 additional credits, including requirements for the second major	BIOL 1030H and 3080H; PHYS 1000H; 0.5 unassigned BIOL 2000 level; 0.5 unassigned SCIE 1000 level; 1.0 unassigned SCIE 2000 level	7.5 additional credits, including requirements for the second major
<b>General University Requirements</b>		
A minimum of 14.0 science credits, including 1.0 MATH credit	6.5 assigned through transfer credit	Minimum 2.5 required above; Minimum 5.0 additional required
A minimum of 7.0 credits at the 3000 or 4000 level	0.5 assigned through transfer credit	3.5 required above; Minimum 3.0 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	1.0 required above; Maximum 2.5 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 #2099**  
 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), FORENSIC SCIENCE AND SCIENCE JOINT-MAJOR**

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), FORENSIC SCIENCE AND SCIENCE JOINT-MAJOR: 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 Arts (Honours) in Forensics and Science degree.

Course Equivalencies at Trent University	# of Credits Received
FRSC 1011H – Introduction to Crime Scene Investigation	0.5
FRSC 1100H – Introduction to Canadian Justice	0.5
FRSC 2030H – Foundations in Forensics Science	0.5
FRSC 2050H – Introduction to Genetics	0.5
FRSC 2220H – Forensic Chemistry	0.5
BIOL 1030H – Foundations of Cellular and Molecular Biology	0.5
BIOL 3080H – Molecular Biology	0.5
CHEM 1000H – Introductory Chemistry I	0.5
CHEM 1010H – Introductory Chemistry II	0.5
INDG 1001H – The Foundation for Reconciliation	0.5
PHYS 1000H – Foundations of Physics	0.5
0.5 unassigned Biology credit at the 2000 level	0.5
1.0 unassigned Science credit at the 2000 level	1.0

**BACHELOR OF SCIENCE (HONOURS), FORENSIC SCIENCE AND SCIENCE JOINT-MAJOR: PROGRAM REQUIREMENTS**

<b>Program Requirements</b>	<b>Courses Granted Through Transfer Equivalency</b>	<b>Courses Students Still Need to Take</b>
<b>3.0 FRSC credits consisting of FRSC 1011H, 1100H, 2020H, 2030H, 3010H, and 3100H</b>	FRSC 1011H, 1100H, and 2030H	FRSC 2020H, 3010H, and 3100H
<b>2.5 FRSC credits at the 3000 level or beyond in addition to the above</b>	---	2.5 FRSC credits at the 3000 level or beyond in addition to the above
<b>1.5 FRSC credit in addition to the above</b>	FRSC 2050H and 2220H	0.5 FRSC credit in addition to the above
<b>1.0 MATH credit at the 1000 level</b>	---	1.0 MATH credit at the 1000 level
<b>1.0 BIOL credit or 1.0 CHEM credit at the 1000 level</b>	CHEM 1000H and 1010H	---
<b>11.0 additional credits including requirements for the second major</b>	BIOL 1030H and 3080H; INDG 1001H; PHYS 1000H; 0.5 unassigned BIOL 2000 level; 1.0 unassigned SCIE 2000 level	7.5 additional credits
<b>General University Requirements</b>		
<b>A minimum of 14.0 science credits, including 1.0 MATH credit</b>	6.5 assigned through transfer credit	Minimum 2.5 required above (including 1.0 MATH); Minimum 5.0 additional required
<b>A minimum of 7.0 credits at the 3000 or 4000 level</b>	0.5 assigned through transfer credit	3.5 required above; Minimum 3.0 additional required
<b>A minimum of 3.0 credits with a grade of 60% leading to majors in a different discipline</b>	Fulfilled through transfer credit	---
<b>Maximum of 7.0 credits at the 1000 level</b>	3.5 assigned through transfer credit	1.0 required above; Maximum 2.5 additional permitted
<b>Minimum of 0.5 credit from the Approved Indigenous Course List</b>	INDG 1001H	---

JANUARY 2024  
**ADDENDUM**  
 TO THE  
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**ONTARIO COLLEGE ADVANCED DIPLOMA IN BIOTECHNOLOGY**  
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**TRENT UNIVERSITY'S**  
**BACHELOR OF SCIENCE (HONOURS), FORENSIC SCIENCE AND SCIENCE JOINT-MAJOR**

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), FORENSIC SCIENCE AND SCIENCE JOINT-MAJOR: 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 Arts (Honours) in Forensics and Science degree.

Course Equivalencies at Trent University	# of Credits Received
FRSC 1011H – Introduction to Crime Scene Investigation	0.5
FRSC 2030H – Foundations in Forensics Science	0.5
FRSC 2050H – Introduction to Genetics	0.5
FRSC 2220H – Forensic Chemistry	0.5
BIOL 1030H – Foundations of Cellular and Molecular Biology	0.5
BIOL 3080H – Molecular Biology	0.5
CHEM 1000H – Introductory Chemistry I	0.5
CHEM 1010H – Introductory Chemistry II	0.5
INDG 1001H – The Foundation for Reconciliation	0.5
PHYS 1000H – Foundations of Physics	0.5
0.5 unassigned Biology credit at the 2000 level	0.5
0.5 unassigned Science credit at the 1000 level	0.5
1.0 unassigned Science credit at the 2000 level	1.0

## **BACHELOR OF SCIENCE (HONOURS), FORENSIC SCIENCE AND SCIENCE JOINT-MAJOR: PROGRAM REQUIREMENTS**

<b>Program Requirements</b>	<b>Courses Granted Through Transfer Equivalency</b>	<b>Courses Students Still Need to Take</b>
<b>3.0 FRSC credits consisting of FRSC 1011H, 1100H, 2020H, 2030H, 3010H, and 3100H</b>	FRSC 1011H and 2030H	FRSC 1100H, 2020H, 3010H, and 3100H
<b>2.5 FRSC credits at the 3000 level or beyond in addition to the above</b>	---	2.5 FRSC credits at the 3000 level or beyond in addition to the above
<b>1.5 FRSC credit in addition to the above</b>	FRSC 2050H and 2220H	0.5 FRSC credit in addition to the above
<b>1.0 MATH credit at the 1000 level</b>	---	1.0 MATH credit at the 1000 level
<b>1.0 BIOL credit or 1.0 CHEM credit at the 1000 level</b>	CHEM 1000H and 1010H	---
<b>11.0 additional credits including requirements for the second major</b>	BIOL 1030H and 3080H; INDG 1001H; PHYS 1000H; 0.5 unassigned BIOL 2000 level; 0.5 unassigned SCIE 1000 level; 1.0 unassigned SCIE 2000 level	7.0 additional credits
<b>General University Requirements</b>		
<b>A minimum of 14.0 science credits, including 1.0 MATH credit</b>	6.5 assigned through transfer credit	Minimum 2.5 required above (including 1.0 MATH); Minimum 5.0 additional required
<b>A minimum of 7.0 credits at the 3000 or 4000 level</b>	0.5 assigned through transfer credit	3.5 required above; Minimum 3.0 additional required
<b>A minimum of 3.0 credits with a grade of 60% leading to majors in a different discipline</b>	Fulfilled through transfer credit	---
<b>Maximum of 7.0 credits at the 1000 level</b>	3.5 assigned through transfer credit	1.0 required above; Maximum 2.5 additional permitted
<b>Minimum of 0.5 credit from the Approved Indigenous Course List</b>	INDG 1001H	---

FEBRUARY 2024  
**ADDENDUM**  
TO THE  
**ARTICULATION AGREEMENT #2099**  
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**THE SIR SANDFORD FLEMING COLLEGE OF APPLIED ARTS AND TECHNOLOGY'S**  
**ONTARIO COLLEGE ADVANCED DIPLOMA IN BIOTECHNOLOGY**  
AND  
**TRENT UNIVERSITY'S**  
**BACHELOR OF ARTS (HONOURS), FORENSIC SCIENCE AND SCIENCE JOINT-MAJOR**

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 block to reflect the deletion of FRSC 2220H – Forensic Chemistry;
- Updated degree requirement chart to reflect new equivalencies;
- Addition of exceptions for courses satisfying requirements for both programs for students pursuing joint majors in Forensic Science and Biology or Chemistry.

These changes specifically refer to Section 6 of the Agreement.

**BACHELOR OF SCIENCE (HONOURS), FORENSICS AND SCIENCE JOINT-MAJOR: 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 Forensics and Science degree.

<b>Course Equivalencies at Trent University</b>	<b># of Credits Received</b>
FRSC 1011H – Introduction to Crime Scene Investigation	0.5
FRSC 2030H – Foundation in Forensics Science	0.5
FRSC 2050H – Introduction to Genetics	0.5
BIOL 1030H – Foundations of Cellular and Molecular Biology	0.5
BIOL 3080H – Molecular Biology	0.5
CHEM 1000H – Introductory Chemistry I	0.5
CHEM 1010H – Introductory Chemistry II	0.5
INDG 1001H – The Foundation for Reconciliation	0.5
PHYS 1000H – Foundations of Physics	0.5
0.5 unassigned Biology credit at the 2000 level	0.5
0.5 unassigned Forensic Science credit at the 2000 level	0.5
0.5 unassigned Science credit at the 1000 level	0.5
1.0 unassigned Science credit at the 2000 level	1.0

## BACHELOR OF SCIENCE (HONOURS), FORENSIC SCIENCE AND SCIENCE JOINT-MAJOR: PROGRAM REQUIREMENTS

Program Requirements	Courses Granted Through Transfer Equivalency	Courses Students Still Need to Take
<b>3.0 FRSC credits consisting of FRSC 1011H, 1100H, 2020H, 2030H, 3010H, and 3100H</b>	FRSC 1011H and 2030H	FRSC 1100H, 2020H, 3010H, and 3100H
<b>2.5 FRSC credits at the 3000 level or beyond in addition to the above</b>	---	2.5 FRSC credits at the 3000 level or beyond in addition to the above
<b>1.5 FRSC credit in addition to the above</b>	FRSC 2050H; 0.5 unassigned FRSC 2000 level	0.5 FRSC credit in addition to the above
<b>1.0 MATH credit at the 1000 level</b>	---	1.0 MATH credit at the 1000 level
<b>1.0 BIOL credit or 1.0 CHEM credit at the 1000 level</b>	CHEM 1000H and 1010H	---
<b>11.0 additional credits including requirements for the second major</b>	BIOL 1030H and 3080H; INDG 1001H; PHYS 1000H; 0.5 unassigned BIOL 2000 level; 0.5 unassigned SCIE 1000 level; 1.0 unassigned SCIE 2000 level	7.0 additional credits including requirements for the second major
<b>General University Requirements</b>		
<b>A minimum of 14.0 science credits, including 1.0 MATH credit</b>	6.5 assigned through transfer credit	Minimum 2.5 required above (including 1.0 MATH); Minimum 5.0 additional required
<b>A minimum of 7.0 credits at the 3000 or 4000 level</b>	0.5 assigned through transfer credit	3.5 required above; Minimum 3.0 additional required
<b>A minimum of 3.0 credits with a grade of 60% leading to majors in a different discipline</b>	Fulfilled through transfer credit	---
<b>Maximum of 7.0 credits at the 1000 level</b>	3.5 assigned through transfer credit	1.0 required above; Maximum 2.5 additional permitted
<b>Minimum of 0.5 credit from the Approved Indigenous Course List</b>	INDG 1001H	---

**NOTE:** The same course may not simultaneously satisfy the requirements of both programs in a joint-major degree, with the following exceptions:

- Students pursuing a joint-major Honours degree in Forensic Science and Biology are required to take the following courses which simultaneously satisfy the requirements of both programs: BIOL 1020H, BIOL 1030H, MATH 1051H, and MATH 1052H. Refer to the Calendar entry for Forensic Science joint majors and for Biology joint majors for the complete requirements.
- Students pursuing a joint-major Honours degree in Forensic Science and Chemistry are required to take the following courses which simultaneously satisfy the requirements of both programs: CHEM 1000H, CHEM 1010H, and two of MATH 1005H, 1051H, 1052H, 1110H, 1120H, 1350H, or 1550H. Refer to the Calendar entry for Forensic Science joint majors and for Chemistry joint majors for the complete requirements.



OCTOBER 2024  
**ADDENDUM**  
 TO THE  
**ARTICULATION AGREEMENT #2099**  
 BETWEEN  
**THE SIR SANDFORD FLEMING COLLEGE OF APPLIED ARTS AND TECHNOLOGY'S**  
**ONTARIO COLLEGE ADVANCED DIPLOMA IN BIOTECHNOLOGY**  
 AND  
**TRENT UNIVERSITY'S**  
**BACHELOR OF ARTS (HONOURS), FORENSIC SCIENCE AND SCIENCE JOINT-MAJOR**

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:

- Addition of exceptions for courses satisfying requirements for both programs for students pursuing joint majors in Forensic Science and Anthropology.

These changes specifically refer to Section 6 of the Agreement.

**BACHELOR OF SCIENCE (HONOURS), FORENSIC SCIENCE AND SCIENCE JOINT-MAJOR: PROGRAM REQUIREMENTS**

Program Requirements	Courses Granted Through Transfer Equivalency	Courses Students Still Need to Take
<b>3.0 FRSC credits consisting of FRSC 1011H, 1100H, 2020H, 2030H, 3010H, and 3100H</b>	FRSC 1011H and 2030H	FRSC 1100H, 2020H, 3010H, and 3100H
<b>2.5 FRSC credits at the 3000 level or beyond in addition to the above</b>	---	2.5 FRSC credits at the 3000 level or beyond in addition to the above
<b>1.5 FRSC credit in addition to the above</b>	FRSC 2050H; 0.5 unassigned FRSC 2000 level	0.5 FRSC credit in addition to the above
<b>1.0 MATH credit at the 1000 level</b>	---	1.0 MATH credit at the 1000 level
<b>1.0 BIOL credit or 1.0 CHEM credit at the 1000 level</b>	CHEM 1000H and 1010H	---
<b>11.0 additional credits including requirements for the second major</b>	BIOL 1030H and 3080H; INDG 1001H; PHYS 1000H; 0.5 unassigned BIOL 2000 level; 0.5 unassigned SCIE 1000 level; 1.0 unassigned SCIE 2000 level	7.0 additional credits including requirements for the second major
<b>General University Requirements</b>		
<b>A minimum of 14.0 science credits, including 1.0 MATH credit</b>	6.5 assigned through transfer credit	Minimum 2.5 required above (including 1.0 MATH); Minimum 5.0 additional required
<b>A minimum of 7.0 credits at the 3000 or 4000 level</b>	0.5 assigned through transfer credit	3.5 required above; Minimum 3.0 additional required
<b>A minimum of 3.0 credits with a grade of 60% leading to majors in a different discipline</b>	Fulfilled through transfer credit	---

<b>Maximum of 7.0 credits at the 1000 level</b>	3.5 assigned through transfer credit	1.0 required above; Maximum 2.5 additional permitted
<b>Minimum of 0.5 credit from the Approved Indigenous Course List</b>	INDG 1001H	---

**NOTE:** The same course may not simultaneously satisfy the requirements of both programs in a joint-major degree, with the following exceptions:

- For students pursuing a joint-major Bachelor of Science degree in Forensic Science and Anthropology, 1.0 MATH credit at the 1000 level and 1.0 BIOL or CHEM credit at the 10000 level may be used to simultaneously satisfy the requirements of both programs. Refer to the Calendar entry for Forensic Science joint majors and for Anthropology joint majors for the complete requirements.
- Students pursuing a joint-major Honours degree in Forensic Science and Biology are required to take the following courses which simultaneously satisfy the requirements of both programs: BIOL 1020H, BIOL 1030H, MATH 1051H, and MATH 1052H. Refer to the Calendar entry for Forensic Science joint majors and for Biology joint majors for the complete requirements.
- Students pursuing a joint-major Honours degree in Forensic Science and Chemistry are required to take the following courses which simultaneously satisfy the requirements of both programs: CHEM 1000H, CHEM 1010H, and two of MATH 1005H, 1051H, 1052H, 1110H, 1120H, 1350H, or 1550H. Refer to the Calendar entry for Forensic Science joint majors and for Chemistry joint majors for the complete requirements.

FEBRUARY 2025  
**ADDENDUM**  
 TO THE  
**ARTICULATION AGREEMENT #2099**  
 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), FORENSIC SCIENCE AND SCIENCE JOINT-MAJOR**

This Addendum recognizes the changes outlined below, which shall become effective as of the Fall 2025 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 to the Agreement have occurred:

- Updated transfer credit block to reflect the renumbering of FRSC 1011H to 2011H and FRSC 2030H to 1030H;
- Changes to requirements for the Business Administration degree program.

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

**BACHELOR OF ARTS (HONOURS), FORENSIC SCIENCE AND ARTS JOINT-MAJOR: 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 Arts (Honours) in Forensic Science and Arts Joint-Major.

<b>Course Equivalencies at Trent University</b>	<b># of Credits Received</b>
FRSC 1030H – Foundations in Forensic Science	0.5
FRSC 2011H – Introduction to Crime Scene Investigation	0.5
FRSC 2050H – Introduction to Genetics	0.5
BIOL 1030H – Foundations of Cellular and Molecular Biology	0.5
BIOL 3080H – Molecular Biology	0.5
CHEM 1000H – Introductory Chemistry I	0.5
CHEM 1010H – Introductory Chemistry II	0.5
INDG 1001H – The Foundation for Reconciliation	0.5
PHYS 1000H – Foundations of Physics	0.5
0.5 unassigned Biology credit at the 2000 level	0.5
0.5 unassigned Forensic Science credit at the 2000 level	0.5
0.5 unassigned Science credit at the 1000 level	0.5
1.0 unassigned Science credit at the 2000 level	1.0

# **BACHELOR OF SCIENCE (HONOURS), FORENSIC SCIENCE AND SCIENCE JOINT-MAJOR: PROGRAM REQUIREMENTS**

<b>Program Requirements</b>	<b>Courses Granted Through Transfer Equivalency</b>	<b>Courses Students Still Need to Take</b>
<b>3.0 FRSC credit consisting of FRSC 1030H, 1100H, 2011H, 2020H, 3010H, and 3100H</b>	FRSC 1030H and 2011H	FRSC 1100H, 2020H, 3010H, and 3100H
<b>2.5 FRSC credits at the 3000 level or beyond in addition to the above</b>	---	2.5 FRSC credits at the 3000 level or beyond in addition to the above
<b>1.5 FRSC credit in addition to the above</b>	FRSC 2050H; 0.5 unassigned FRSC 2000 level	0.5 FRSC credit in addition to the above
<b>1.0 MATH credit at the 1000 level</b>	---	1.0 MATH credit at the 1000 level
<b>1.0 BIOL credit or 1.0 CHEM credit at the 1000 level</b>	BIOL 1030H and CHEM 1000H	---
<b>11.0 additional credits, including requirements for the second major</b>	BIOL 3080H; CHEM 1010H; INDG 1001H; PHYS 1000H; 0.5 unassigned BIOL 2000 level; 0.5 unassigned SCIE 1000 level; 1.0 unassigned SCIE 2000 level	7.0 additional credits, including requirements for the second major
<b>General University Requirements</b>		
<b>A minimum of 14.0 science credits, including 1.0 MATH credit</b>	6.5 assigned through transfer credit	Minimum 2.5 required above, including 1.0 MATH credit; Minimum 5.0 additional required
<b>A minimum of 7.0 credits at the 3000 or 4000 level</b>	0.5 assigned through transfer credit	3.5 required above; Minimum 3.0 additional required
<b>A minimum of 3.0 credits with a grade of 60% leading to majors in a different discipline</b>	Fulfilled through transfer credit	---
<b>Maximum of 7.0 credits at the 1000 level</b>	3.5 assigned through transfer credit	1.5 required above; Maximum 2.0 additional permitted
<b>Minimum of 0.5 credit from the Approved Indigenous Course List</b>	INDG 1001H	---

MAY 2025  
**ADDENDUM**  
TO THE  
**ARTICULATION AGREEMENT #2099**  
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), FORENSIC SCIENCE AND SCIENCE JOINT-MAJOR**

This Addendum recognizes the changes outlined below, which shall become effective as of the Fall 2025 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 to the Agreement have occurred:

- Updated notes addressing requirements for students pursuing joint majors in Forensic Science and Chemistry.

These changes specifically refer to Section 6 of the Agreement.

**BACHELOR OF ARTS (HONOURS), FORENSIC SCIENCE AND ARTS JOINT-MAJOR: DEGREE REQUIREMENTS**

Students pursuing a joint-major Honours degree in Forensic Science and Chemistry are required to take the following courses with simultaneously satisfy the requirements of both programs: CHEM 1000H, CHEM 1010H, MATH 1110H, and MATH 1122H.

DECEMBER 2025  
**ADDENDUM**  
TO THE  
**ARTICULATION AGREEMENT #2099**  
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), FORENSIC SCIENCE AND SCIENCE JOINT-MAJOR**

This Addendum recognizes the changes outlined below, which shall become effective as of the Fall 2026 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 to the Agreement have occurred:

- New course exclusions for students pursuing a Bachelor of Science (Honours) in Forensic Science and Biology.

These changes specifically refer to Section 6 of the Agreement.

**BACHELOR OF ARTS (HONOURS), FORENSIC SCIENCE AND ARTS JOINT-MAJOR: DEGREE REQUIREMENTS**

Students pursuing a joint major in Forensic Science and Biology cannot take both BIOL 2000H and FRSC 2020H for credit. Students must substitute another 0.5 credit in Forensic Science/Biology at the 2000 level.

JANUARY 2026  
**ADDENDUM**  
 TO THE  
**ARTICULATION AGREEMENT #2099**  
 BETWEEN  
**THE SIR SANDFORD FLEMING COLLEGE OF APPLIED ARTS AND TECHNOLOGY'S**  
**BIOTECHNOLOGY – ADVANCED DIPLOMA**  
 AND  
**TRENT UNIVERSITY'S**  
**BACHELOR OF SCIENCE (HONOURS), FORENSIC SCIENCE AND SCIENCE JOINT-MAJOR**

This Addendum recognizes the changes outlined below, which shall become effective as of the Fall 2026 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 to the Agreement have occurred:

- Changes to degree requirements for the Forensic Science joint-major degrees.

These changes specifically refer to Section 6 of the Agreement.

### **6.3. BACHELOR OF SCIENCE (HONOURS), FORENSIC SCIENCE AND SCIENCE: PROGRAM REQUIREMENTS**

To satisfy the requirements of Trent University's Bachelor of Science (Honours) in Forensic Science and Science, 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
<b>2.5 FRSC credit consisting of FRSC 1030H, 1100H, 2011H, 2020H, and 3100H</b>	FRSC 1030H and 2011H	FRSC 1100H, 2020H, and 3100H
<b>2.5 FRSC credits at the 3000 level or beyond in addition to the above</b>	---	2.5 FRSC credits at the 3000 level or beyond in addition to the above
<b>1.5 FRSC credit in addition to the above</b>	FRSC 2050H; 0.5 unassigned FRSC 2000 level	0.5 FRSC credit in addition to the above
<b>1.0 MATH credit at the 1000 level</b>	---	1.0 MATH credit at the 1000 level
<b>1.0 BIOL credit or 1.0 CHEM credit at the 1000 level</b>	CHEM 1000H and 1010H	---
<b>11.5 additional credits, including requirements for the second major</b>	BIOL 1030H and 3080H; INDG 1001H; PHYS 1000H; 0.5 unassigned BIOL 2000 level; 0.5 unassigned SCIE 1000 level; 1.0 unassigned SCIE 2000 level	7.5 additional credits, including requirements for the second major
<b>General University Requirements</b>		
<b>A minimum of 14.0 science credits, including 1.0 MATH credit</b>	6.5 assigned through transfer credit	Minimum 2.0 required for FRSC major (including 1.0 MATH); Minimum 5.5 additional required
<b>A minimum of 7.0 credits at the 3000 or 4000 level</b>	0.5 assigned through transfer credit	3.0 required for FRSC major; Minimum 3.5 additional required
<b>A minimum of 3.0 credits with a grade of 60% leading</b>	Fulfilled through transfer credit	---

to majors in a different discipline		
Maximum of 7.0 credits at the 1000 level	3.5 assigned through transfer credit	1.5 required for FRSC major; Maximum 2.0 additional permitted
Minimum of 0.5 credit from the Approved Indigenous Course List	INDG 1001H	---