Fleming College

TRENT UNIVERSITY

ARTICULATION AGREEMENT
RENEWAL

BETWEEN

The Sir Sandford Fleming College of Applied Arts and Technology (Fleming College)

AND

Trent University

NOVEMBER 2018

Fleming College's
Fish and Wildlife Technology Advanced Diploma Program

to

Trent University's
Bachelor of Science, Biology Honours Degree Program

This agreement 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 Fleming College's Fish and Wildlife Technology Advanced Diploma program.

1. PURPOSE

1.1. The purpose of this agreement is to provide qualified graduates of Fleming College's Advanced Diploma program with a seamless option for continuing their education in the Bachelor of Science, Biology Honours 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 said 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 the Fish and Wildlife Technology Advanced Diploma program from Fleming College will be granted 10.0 credits towards the 20.0 credit Bachelor of Science, Biology Honours Degree program at Trent University.

3.2. Upon successful admission to Trent University, students are required to complete an additional 10.0 credits to meet degree requirements.

3.3. Students who have graduated from Fleming College's Fish and Wildlife Technology advanced diploma program, who commenced studies since Fall 2016, will be awarded the full 10.0 transfer credits provided they meet Admission Requirements under Article 4.

4. ADMISSION REQUIREMENTS

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

- successfully completed Fleming College's Fish and Wildlife Technology Advanced Diploma; and
- a minimum overall average of 75%.

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

5. TRANSFER OF CREDITS

5.1. Students who are eligible, graduating from Fleming College's Fish and Wildlife Technology Advanced Diploma program with a minimum average of 75%, will be granted 10.0 credits towards the successful completion of a 20.0 credit Bachelor of Science, Biology Honours degree program at Trent University. Credits will be transferred as follows:

Course equivalencies at Trent University	Credits received
0.5 BIOL 1020H - Foundations of Biodiversity	0.5
0.5 BIOL 2110H - Biology of Vertebrates	0.5
0.5 BIOL 2260H - Introductory Ecology	0.5
0.5 BIOL 3050H - Limnology	0.5
0.5 CHEM 1000H - Introductory Chemistry I	0.5
0.5 ERSC 1010H - Environmental Science and Sustainability	0.5
0.5 ERSC 1020H - Cases in Environment and Sustainability	0.5
0.5 INDG 1001H - Foundations of Indigenous Studies	0.5
0.5 MATH 1051H -Non-Calculus Statistics I: Elementary Probability and Statistics	0.5
0.5 WRIT 1001H - Write in Time	0.5
0.5 unassigned BIOL@ 2000 level	0.5
0.5 unassigned BIOL@ 3000 level	0.5
1.0 unassigned ERSC @ 2000 level	1.0
0.5 unassigned Science@ 1000 level	0.5
2.0 unassigned Science @ 2000 level	2.0
0.5 unassigned Science @ 3000 level	0.5

5.2. As these credits recognize areas covered in Fleming College's Fish and Wildlife Technology Advanced Diploma program rather than one-to-one course equivalents, numerical grades will not be recorded on the Trent transcript. Completion of these credits will be recognized with a pass grade.

6. PROGRAM AND GRADUATION REQUIREMENTS

6.1. Upon admission to the Bachelor of Science 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, Biology Honours Degree program, 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. 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 1020H and 2260H	BIOL 1030H, 2000H, 2050H, 2070H, 2600H
6.5 BIOL credits in addition to the above	BIOL 2110H and 3050H 0.5 BIOL@ 2000 level 0.5 BIOL@ 3000 level	4.5 additional BIOL credits, at least 4.0 at the 3000 level or above
1.0 CHEM credit consisting of CHEM 1000H and 1010H	CHEM 1000H	CHEM 1010H
0.5 PHYS credit from PHYS 1001H or PHYS-BIOL 1060H	---	PHYS 1001H or PHYS-BIOL 1060H
0.5 credit in a humanities subject	WRIT 1001H	---
14.0 science credits are required for Honours degree, including 1.0 MATH credit	In addition to above: ERSC 1010H and ERSC 1020H MATH 1051H 1.0 ERSC@ 2000 level 0.5 Science@ 1000 level 2.0 Science @ 2000 level 0.5 Science@ 3000 level	0.5 credit MATH
General University Degree Requirements		
A minimum of 7.0 credits at the 3000 or 4000 level	1.5 assigned through transfer credits	5.5 credits at 3000 level or above required, as fulfilled through BIOL and other electives
A minimum of 3.0 credits with a grade of 60% in a different discipline	All met through transfer credits	---
Maximum of 7.0 credits at the 1000 level	4.0 assigned through transfer credits	2.0 credits at 1000 level through required program courses above
At least 0.5 credit from the Approved Indigenous Course List	INDG 1001H	---

6.4. Completion of required courses will vary on an individual basis based on the flexibility and course options within the Bachelor of Science 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;
ii. 7.0 credits completed at the 3000 or 4000 level through both Bachelor of Science, Biology Honours Degree program requirements and general elective options;
iii. An overall minimum average of 65% in Trent University courses to obtain an Honours degree;
iv. A minimum of 0.5 credit from the Approved Indigenous Course List;
v. A minimum of 14.0 science credits (including 0.5 Math credit).

6.5. The transfer credit received for WRIT 1001H fulfills the 0.5 humanities credit required for the Bachelor of Science, Biology Honours Degree program at Trent University.

6.6. Students have the opportunity to take BIOL 1030H in the summer term at Trent University to ensure all necessary prerequisites are completed to enter program learning on an advanced standing.

Note: It is recommended that students transferring into the Bachelor of Science, Biology Honours Degree program at Trent University 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 hereby demonstrate our commitment to full implementation of the Agreement.

For, and on behalf of,
Trent University

Dr. Holger Hintelmann
Dean, Arts and Science - Science

Oct 18, 2018
Date

For, and on behalf of,
Fleming College

Maureen Adamson
President

Dec 13, 2018
Date

Dr. Jacqueline Muldoon
Provost & Vice-President Academic

Oct 29/18
Date

ADDENDUM RECORD FOR ARTICULATION AGREEMENT #1489

- **JANUARY 2020:**
  - Updated transfer credit block to align with the Fish and Wildlife Technology to Environmental and Resource Science articulation agreement (#1488);
  - Updated degree requirement chart to reflect the new transfer credit block.

- **APRIL 2020:**
  - Changes to Biology degree requirements for Fall 2020.

- **JANUARY 2023:**
  - Changes to Biology degree requirements excluding BIOL 1050H and 1051H from fulfilling Biology course requirements for Fall 2023.

- **MARCH 2023:**
  - Changes to Biology degree requirements for Fall 2023.

- **AUGUST 2023:**
  - Updated transfer credit block to reflect new equivalencies at Trent University;
  - Updated transfer credit block to reflect the new transfer credit block.

- **OCTOBER 2024:**
  - Suspension notice for the Fish and Wildlife Technology Advanced Diploma program at Fleming College as of Fall 2024.

- **MARCH 2025:**
  - Changes to Biology degree requirements for Fall 2025 reflecting the addition of MATH 1006H.

- **DECEMBER 2025:**
  - Updated transfer credit block to reflect the relevelling of BIOL 2110H to BIOL 3111H;
  - Updated degree requirement chart to reflect the new transfer credit block.

- **AUGUST 2026:**
  - Updated transfer credit block to reflect updated equivalencies at Trent University;
  - Updated degree requirement chart to reflect the new transfer credit block.

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JANUARY 2020

ADDENDUM

TO

ARTICULATION AGREEMENT #1489

BETWEEN

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

AND

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

This Addendum recognizes the change outlined below, which applies to students enrolling in the Fish and Wildlife Technology Advanced Diploma program at Fleming College since September 2016. This change will remain effective until the above-mentioned Agreement expires or until a new Agreement is entered into, whichever occurs first.

The following change has been implemented at Trent University:

- The transfer credit block has been adjusted to align this Agreement with Articulation Agreement #1488. Aligning both Fish and Wildlife Technology agreements will provide a more seamless experience for students with more flexibility for degree options.

These changes specifically refer to Section 5 of the Agreement.

BACHELOR OF SCIENCE (HONOURS), BIOLOGY: TRANSFER CREDITS

Students graduating from the Fish and Wildlife Technology Advanced Diploma program with a minimum overall average of 75%, who are eligible, will be granted 10.0 credits towards the successful completion of a 20.0 credit Bachelor of Science (Honours) degree in Biology.

Course equivalencies at Trent University	Credits received
BIOL 1020H – Foundations of Biodiversity	0.5
BIOL 2110H – Biology of Vertebrates	0.5
BIOL 2260H – Introductory Ecology	0.5
BIOL 3050H – Limnology	0.5
ERSC 1010H – Environmental Science and Sustainability	0.5
ERSC 1020H – Cases in Environment and Sustainability	0.5
ERSC 2080H – Natural Science Statistics	0.5
ERSC-GEOG 2090H – Introduction to Geographical Information Systems	0.5
ERSC 2230H – Energy and Science Technology	0.5
ERSC 2240H – Ecological Assessment for Natural Resource Management	0.5

ERST-CAST 2520H – Natural Resource Management	0.5
ERST-CAST 2525H – Critical Environmental Thinking	0.5
ERSC-BIOL 4240H – Fisheries Assessment and Management	0.5
INDG 1001H – Foundation for Reconciliation	0.5
WRIT 1001H – Write in Time	0.5
0.5 unassigned Biology credit at the 2000 level	0.5
0.5 unassigned Biology credit at the 3000 level	0.5
0.5 unassigned Environmental & Resource Science credit at the 3000 level	0.5
0.5 unassigned Math credit at the 1000 level	0.5
0.5 unassigned Science credit at the 1000 level	0.5

BACHELOR OF SCIENCE (HONOURS), BIOLOGY: PROGRAM REQUIREMENTS

For students entering Trent prior to September 2020:

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 1020H and 2260H	BIOL 1030H, 2000H, 2050H, 2070H, and 2600H
6.5 BIOL credits in addition to the above	BIOL 2110H and 3050H; ERSC-BIOL 4240H; 0.5 unassigned BIOL 2000 level; 0.5 unassigned BIOL 3000 level	4.0 BIOL credits 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 1001H or PHYS-BIOL 1060H	---	PHYS 1001H or PHYS-BIOL 1060H
0.5 credit in a humanities subject	WRIT 1001H	---
8.0 additional credits	ERSC 1010H, 1020H, 2080H, 2230H, and 2240H; ERSC-GEOG 2090H; ERST-CAST 2520H and 2525H; INDG 1001H; 0.5 unassigned ERSC 3000 level; 0.5 unassigned MATH 1000 level; 0.5 unassigned SCIE 1000 level	2.0 additional credits
General University Requirements		
A minimum of 14.0 science credits, including 1.0 MATH credit	8.0 assigned through transfer credit, including 0.5 MATH credit	Fulfilled through program requirements, with the exception of 0.5 MATH (to be completed as part of 2.0 additional credits)
A minimum of 7.0 credits at the 3000 or 4000 level	2.0 assigned through transfer credit	5.0 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 permitted
Minimum of 0.5 credit from the Approved Indigenous Course List	INDG 1001H	---

For students entering Trent as of September 2020 or later:

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 1020H and 2260H	BIOL 1030H, 2000H, 2050H, 2070H, and 2600H
5.0 BIOL, BIOC, or BIOM credits at the 3000 level or beyond	BIOL 3050H; ERSC-BIOL 4240H; 0.5 unassigned BIOL 3000 level	3.5 BIOL, BIOC or BIOM credits at the 3000 level or beyond
1.5 BIOL, BIOC, or BIOM credits in addition to the above	BIOL 2110H; 0.5 unassigned BIOL 2000 level	0.5 BIOL, BIOC or BIOM credit in addition to the above
1.0 CHEM credits consisting of CHEM 1000H and 1010H	---	CHEM 1000H and 1010H
0.5 PHYS credit from PHYS 1001H or PHYS-BIOL 1060H	---	PHYS 1001H or PHYS-BIOL 1060H
0.5 credit in a humanities subject	WRIT 1001H	---
8.0 additional credits	ERSC 1010H, 1020H, 2080H, 2230H, and 2240H; ERSC-GEOG 2090H; ERST-CAST 2520H and 2525H; INDG 1001H; 0.5 unassigned ERSC 3000 level; 0.5 unassigned MATH 1000 level; 0.5 unassigned SCIE 1000 level	2.0 additional credits
General University Requirements		
A minimum of 14.0 science credits, including 1.0 MATH credit	8.0 assigned through transfer credit, including 0.5 MATH credit	Fulfilled through program requirements, with the exception of 0.5 MATH (to be completed as part of 2.0 additional credits)
A minimum of 7.0 credits at the 3000 or 4000 level	2.0 assigned through transfer credit	3.5 required above; 1.5 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 permitted
Minimum of 0.5 credit from the Approved Indigenous Course List	INDG 1001H	---

APRIL 2020

ADDENDUM

TO THE

ARTICULATION AGREEMENT #1489

BETWEEN

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

AND

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

This Addendum recognizes the changes outlined below, which shall become effective as of the September 2020 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 within the Biology program at Trent University:

- Changes to degree requirements.

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 1020H and 2260H	BIOL 1030H, 2000H, 2050H, 2070H, and 2600H
5.0 BIOL, BIOC, or BIOM credits at the 3000 level or beyond	BIOL 3050H and ERSC-BIOL 4240H; 0.5 unassigned BIOL 3000	3.5 BIOL, BIOC, or BIOM credits at the 3000 level or beyond
1.5 BIOL, BIOC, or BIOM credits in addition to the above	BIOL 2110H; 0.5 unassigned BIOL 2000 level	0.5 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, PHYS 1001H, or PHYS-BIOL 1060H	---	PHYS 1000H, PHYS 1001H, or PHYS-BIOL 1060H
0.5 credit in a humanities subject: AHCL, ARAB, ASLA, CAST, CCTH, CHIN, CUST, ENGL, FREN, GREK, GRMN, HIST, ITAL, LATN, LING, PHIL, RUSS, SPAN, UNIV (UNIV 1004H only), WMST, WRIT	WRIT 1001H	---
8.0 additional credits	ERSC 1010H, 1020H, 2080H, 2090H, 2230H and 2240H; ERST 2520H and 2525H;	2.0 additional credits

	INDG 1001H; 0.5 unassigned ERSC 3000 level; 0.5 unassigned MATH 1000 level; 0.5 unassigned SCIE 1000 level	
General University Requirements		
A minimum of 14.0 science credits, including 1.0 MATH credit	8.0 assigned through transfer credit, including 0.5 MATH credit	
A minimum of 7.0 credits at the 3000 or 4000 level	2.0 assigned through transfer credit	3.5 required above; Minimum 1.5 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 permitted
Minimum of 0.5 credit from the Approved Indigenous Course List	INDG 1001H	---

JANUARY 2023

ADDENDUM

TO THE

ARTICULATION AGREEMENT #1489

BETWEEN

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

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 Biology program requirements, excluding BIOL 1050H and 1051H from fulfilling major requirements.

These changes specifically refer to Section 6 of the Agreement.

BACHELOR OF SCIENCE (HON OURS), 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 1020H and 2260H	BIOL 1030H, 2000H, 2050H, 2070H, and 2600H
5.0 BIOL, BIOC or BIOM credits at the 3000 level or beyond	BIOL 3050H; ERSC-BIOL 4240H; 0.5 unassigned BIOL 3000 level	3.5 BIOL, BIOC, or BIOM credits at the 3000 level or beyond
1.5 BIOL, BIOC, or BIOM credits in addition to the above (excluding BIOL 1050H and 1051H)	BIOL 2110H; 0.5 unassigned BIOL 2000 level	0.5 BIOL, BIOC, or BIOM credit in addition to the above (excluding BIOL 1050H and 1051H)
1.0 CHEM credit consisting of CHEM 1000H and 1010H	---	CHEM 1000H and 1010H
0.5 PHYS credit from PHYS 1000H, PHYS 1001H, or PHYS-BIOL 1060H	---	0.5 PHYS credit from PHYS 1000H, PHYS 1001H, or PHYS-BIOL 1060H
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	WRIT 1001H	---
8.0 additional credits	ERSC 1010H, 1020H, 2080H, 2090H, 2230H, and 2240H; ERST 2520H and 2525H; INDG 1001H; 0.5 unassigned ERSC 3000 level; 0.5 unassigned MATH 1000 level; 0.5 unassigned SCIE 1000 level	2.0 additional credits

General University Requirements		
A minimum of 14.0 science credits, including 1.0 MATH credit	8.0 assigned through transfer credit, including 0.5 Math credit	Minimum 4.0 required above; Minimum 2.0 additional required, including 0.5 Math credit
A minimum of 7.0 credits at the 3000 or 4000 level	2.0 assigned through transfer credit	3.5 required above; Minimum 1.5 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 permitted
Minimum of 0.5 credit from the Approved Indigenous Course List	INDG 1001H	---

MARCH 2023

ADDENDUM

TO THE

ARTICULATION AGREEMENT #1489

BETWEEN

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

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 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 1020H and 2260H	BIOL 1030H, 2000H, 2050H, 2070H, and 2600H
5.0 BIOL, BIOC, or BIOM credits at the 3000 level or beyond	BIOL 3050H; ERSC-BIOL 4240H; 0.5 unassigned BIOL 3000 level	3.5 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	BIOL 2110H; 0.5 unassigned BIOL 2000 level	0.5 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, 1001H, or PHYS-BIOL 1060H
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	WRIT 1001H	---
6.5 additional credits	ERSC 1010H, 1020H, 2080H, 2090H, 2230H, and 2240H; ERST 2520H and 2525H; INDG 1001H; 0.5 unassigned ERSC 3000 level;	0.5 additional credit

	0.5 unassigned MATH 1000 level; 0.5 unassigned SCIE 1000 level	
General University Requirements		
A minimum of 14.0 science credits, including 1.0 MATH credit	8.0 assigned through transfer credit, including 0.5 MATH credit	Minimum 5.5 required above (including 1.0 MATH); Minimum 0.5 additional required
A minimum of 7.0 credits at the 3000 or 4000 level	2.0 assigned through transfer credit	3.5 required above; Minimum 1.5 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	3.5 required above; No additional 1000 level credits permitted
Minimum of 0.5 credit from the Approved Indigenous Course List	INDG 1001H	---

AUGUST 2023

ADDENDUM

TO THE

ARTICULATION AGREEMENT #1489

BETWEEN

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

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:

- Updated transfer credit block to reflect curriculum changes at Fleming College, new equivalencies, and to align with the Fish and Wildlife Technician agreement (#5760);
- Updated degree requirement chart to reflect new equivalencies.

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 Fish and Wildlife Technology Diploma program with a minimum overall average of 75%, who are eligible, will be granted 10.0 credits toward the successful completion of a 20.0 credit Bachelor of Science (Honours) in Biology.

Course Equivalencies at Trent University	# of Credits Received
BIOL 1020H – Foundations of Biodiversity	0.5
BIOL 2110H – Biology of Vertebrates	0.5
BIOL 3190H – Wild Plants of Ontario	0.5
CHEM 1000H – Introductory Chemistry I	0.5
ERSC 1010H – Environmental Science and Sustainability	0.5
ERSC 1020H – Cases in Environment and Sustainability;	0.5
ERSC-GEOG-BIOL 2080H – Natural Science Statistics	0.5
ERSC 2090H – Introduction to Geographical Information Systems	0.5
ERSC 2220H – Environmental Assessment: Chemical and Laboratory Methods	0.5
ERSC 2230H – Environmental Assessment: Sampling and Analysis	0.5
ERSC-BIOL 4240H – Fisheries Assessment and Management	0.5
INDG 1001H – The Foundation for Reconciliation	0.5
WRIT 1001H – Write in Time	0.5

WRIT 2002H – Write It Up: Effective Communication	0.5
0.5 unassigned Biology credit at the 1000 level	0.5
0.5 unassigned Biology credit at the 2000 level	0.5
0.5 unassigned Biology credit at the 2000 level	0.5
0.5 unassigned Environmental and Resource Science credit at the 3000 level	0.5
1.0 unassigned Science credit at the 3000 level	1.0

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 1020H	BIOL 1030H, 2000H, 2050H, 2070H, 2260H, and 2600H
5.0 BIOL, BIOC, or BIOM credits at the 3000 level or beyond	BIOL 3190H; ERSC-BIOL 4240H	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	BIOL 2110H; ERSC-GEOG-BIOL 2080H; 0.5 unassigned BIOL 2000 level	---
1.0 CHEM credit consisting of CHEM 1000H and 1010H	CHEM 1000H	CHEM 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, 1001H, or PHYS-BIOL 1060H
0.5 credit in a humanities subject: AHCL, ARAB, ASLA, CAST, CHIN, COMM, CUST, ENGL, FREN, GESO, GREK, GRM, HIST, ITAL, LATN, LING, PHIL, RUSS, SPAN, UNIV (excluding 1003H), WRIT	WRIT 1001H	---
6.5 additional credits	ERSC 1010H, 1020H, 2090H, 2220H, and 2230H; INDG 1001H; WRIT 2002H; 0.5 unassigned BIOL 1000 level; 0.5 unassigned BIOL 2000 level; 0.5 unassigned ERSC 3000 level; 1.0 unassigned SCIE 3000 level	0.5 additional credits
General University Requirements		
A minimum of 14.0 science credits, including 1.0 MATH credit	8.5 assigned through transfer credit	Fulfilled through degree requirements
A minimum of 7.0 credits at the 3000 or 4000 level	2.5 assigned through transfer credit	4.0 required above; 0.5 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	3.0 required above; Maximum 0.5 additional permitted
Minimum of 0.5 credit from the Approved Indigenous Course List	INDG 1001H	---

OCTOBER 2024

ADDENDUM

TO THE

ARTICULATION AGREEMENT #1489

BETWEEN

THE SIR SANDFORD FLEMING COLLEGE OF APPLIED ARTS AND TECHNOLOGY'S FISH AND WILDLIFE TECHNOLOGY 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 2024 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:

- Fleming College has suspended the Fish and Wildlife Technology Advanced Diploma program. Graduates of the program will still be eligible for the terms of this agreement as per outlined in the original agreement, as well as subsequent addendums.

MARCH 2025

ADDENDUM

TO THE

ARTICULATION AGREEMENT #1489

BETWEEN

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

AND

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

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 have occurred:

- Changes to requirements for 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 1020H	BIOL 1030H, 2000H, 2050H, 2070H, 2260H, and 2600H
5.0 BIOL, BIOC, or BIOM credits at the 3000 level or beyond	BIOL 3190H; ERSC-BIOL 4240H	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	BIOL 2110H; ERSC-GEOG-BIOL 2080H; 0.5 unassigned BIOL 2000 level	---
1.0 CHEM credit consisting of CHEM 1000H and 1010H	CHEM 1000H	CHEM 1010H
1.0 MATH credit consisting of MATH 1051H and 1052H	---	MATH 1051H and 1052H
0.5 MATH credit from MATH 1006H or 1110H	---	MATH 1006H or 1110H
0.5 PHYS credit from PHYS 1000H, 1001H, or PHYS-BIOL 1060H	---	PHYS 1000H, 1001H, or PHYS-BIOL 1060H
0.5 credit in a humanities subject: AHCL, ARAB, ASLA, CAST, CHIN, COMM, CUST, ENGL, FREN, GESO, GREK, GRM, HIST, ITAL, LATN, LING, PHIL, RUSS, SPAN, UNIV (excluding 1003H), WRIT	WRIT 1001H	---
6.5 additional credits	ERSC 1010H, 1020H, 2090H, 2220H, and 2230H; INDG 1001H; WRIT 2002H; 0.5 unassigned BIOL 1000 level; 0.5 unassigned BIOL 2000 level; 0.5 unassigned ERSC 3000 level; 1.0 unassigned SCIE 3000 level	0.5 additional credits
General University Requirements		

A minimum of 14.0 science credits, including 1.0 MATH credit	8.5 assigned through transfer credit	Fulfilled through degree requirements
A minimum of 7.0 credits at the 3000 or 4000 level	2.5 assigned through transfer credit	4.0 required above; 0.5 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	3.0 required above; Maximum 0.5 additional permitted
Minimum of 0.5 credit from the Approved Indigenous Course List	INDG 1001H	---

DECEMBER 2025

ADDENDUM

TO THE

ARTICULATION AGREEMENT #1489

BETWEEN

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

AND

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

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:

- Updated transfer credit block to reflect the relevelling of BIOL 2110H to BIOL 3111H;
- Updated degree requirement chart to reflect the new transfer credit block.

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

5.1. BACHELOR OF SCIENCE (HONOURS), BIOLOGY: TRANSFER CREDITS

Students graduating from Fleming College's Fish and Wildlife Technology Advanced Diploma program with a minimum overall average of 75%, who are eligible, will be granted 10.0 credits toward the successful completion of a 20.0 credit Bachelor of Science (Honours) in Biology.

Course Equivalency Block at Trent University	# of Credits Received
BIOL 1020H – Foundations of Biodiversity	0.5
BIOL 3111H – Comparative Vertebrate Anatomy	0.5
BIOL 3190H – Wild Plants of Ontario	0.5
CHEM 1000H – Introductory Chemistry I	0.5
ERSC 1010H – Environmental Science and Sustainability	0.5
ERSC 1020H – Cases in Environment and Sustainability	0.5
ERSC-GEOG-BIOL 2080H – Natural Science Statistics	0.5
ERSC 2090H – Introduction to Geographical Information Systems	0.5
ERSC 2220H – Environmental Assessment: Chemical and Laboratory Methods	0.5
ERSC 2230H – Environmental Assessment: Sampling and Analysis	0.5
ERSC-BIOL 4240H – Fisheries Assessment and Management	0.5
INDG 1001H – The Foundation for Reconciliation	0.5
WRIT 1001H – Write in Time	0.5
WRIT 2002H – Write It Up: Effective Communication	0.5
0.5 unassigned Biology credit at the 1000 level	0.5
1.0 unassigned Biology credit at the 2000 level	1.0

0.5 unassigned Environmental and Resource Science credit at the 3000 level	0.5
1.0 unassigned Science credit at the 3000 level	1.0

6.3. BACHELOR OF SCIENCE (HONOURS), BIOLOGY: PROGRAM REQUIREMENTS

To satisfy the requirements of Trent University's Bachelor of Science (Honours) in 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 1020H	BIOL 1030H, 2000H, 2050H, 2070H, 2260H, and 2600H
5.0 BIOL, BIOC, or BIOM credits at the 3000 level or beyond	BIOL 3111H and 3190H; ERSC-BIOL 4240H	3.5 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	ERSC-GEOG-BIOL 2080H; 1.0 unassigned BIOL 2000 level	---
1.0 CHEM credit consisting of CHEM 1000H and 1010H	CHEM 1000H	CHEM 1010H
1.0 MATH credit consisting of MATH 1051H and 1052H	---	MATH 1051H and 1052H
0.5 MATH credit from MATH 1006H or 1110H	---	MATH 1006H or 1110H
0.5 PHYS credit from PHYS 1000H, 1001H, or PHYS-BIOL 1060H	---	PHYS 1000H, 1001H, or PHYS-BIOL 1060H
0.5 credit in a humanities subject: AGRS, ARAB, ASLA, CAST, CHIN, CUST, ENGL, FREN, GESO, GREK, GRMN, HIST, HURI, ITAL, LATN, LING, PHIL, RUSS, SPAN, UNIV (excluding UNIV 1003H), WRIT	WRIT 1001H	---
6.5 additional credits	ERSC 1010H, 1020H, 2090H, 2220H, and 2230H; INDG 1001H; WRIT 2002H; 0.5 unassigned BIOL 1000 level; 0.5 unassigned ERSC 3000 level; 1.0 unassigned SCIE 3000 level	1.0 additional credit
General University Requirements		
A minimum of 14.0 science credits, including 1.0 MATH credit	8.5 assigned through transfer credit	Fulfilled through program requirements
A minimum of 7.0 credits at the 3000 or 4000 level	2.5 assigned through transfer credit	3.5 required for major; Minimum 1.0 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	3.0 required for major; Maximum 0.5 additional permitted
Minimum of 0.5 credit from the Approved Indigenous Course List	INDG 1001H	---

AUGUST 2026

ADDENDUM

TO THE

ARTICULATION AGREEMENT #1489

BETWEEN

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

AND

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

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:

- Updated transfer credit block to reflect new equivalencies at Trent University;
- Updated degree requirement chart to reflect the new transfer credit block.

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

5.1. TRANSFER CREDITS AWARDED:

Students graduating from Fleming College's Fish and Wildlife Technology Advanced Diploma program with a minimum overall average of 75%, who are eligible, will be granted 10.0 credits toward the successful completion of a 20.0 credit Bachelor of Science (Honours) in Biology.

Course Equivalency Block at Trent University	Credit Weight
BIOL 1020H – Foundations of Biodiversity	0.5
BIOL 3111H – Comparative Vertebrate Anatomy	0.5
BIOL 3190H – Wild Plants of Ontario	0.5
BIOL-ERSC 4240H – Fisheries Assessment and Management	0.5
CHEM 1000H – Introductory Chemistry I	0.5
ERSC 1010H – Environmental Science and Sustainability	0.5
ERSC 1020H – Cases in Environment and Sustainability	0.5
ERSC-GEOG-BIOL 2080H – Natural Science Statistics	0.5
ERSC 2090H – Introduction to Geographical Information Systems	0.5
ERSC 2220H – Environmental Assessment: Chemical and Laboratory Methods	0.5
ERSC 2230H – Environmental Assessment: Sampling and Analysis	0.5
ERSC 3510H – Ecology and Management of Wetland Systems	0.5
INDG 1001H – The Foundation for Reconciliation	0.5
0.5 unassigned Biology credit at the 1000 level	0.5
1.5 unassigned Biology credits at the 2000 level	1.5
1.0 unassigned Environmental and Resource Science credit at the 3000 level	1.0
0.5 unassigned Science credit at the 3000 level	0.5

6.3. BACHELOR OF SCIENCE (HONOURS), BIOLOGY: PROGRAM REQUIREMENTS

To satisfy the requirements of Trent University's Bachelor of Science (Honours) in 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 1020H	BIOL 1030H, 2000H, 2050H, 2070H, 2260H, and 2600H
5.0 BIOL, BIOC, or BIOM credits at the 3000 level or beyond	BIOL 3111H and 3190H; BIOL-ERSC 4240H	3.5 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	ERSC-GEOG-BIOL 2080H; 1.0 unassigned BIOL 2000 level	---
1.0 CHEM credit consisting of CHEM 1000H and 1010H	CHEM 1000H	CHEM 1010H
1.0 MATH credit consisting of MATH 1051H and 1052H	---	MATH 1051H and 1052H
0.5 MATH credit from MATH 1006H or 1110H	---	MATH 1006H or 1110H
0.5 PHYS credit from PHYS 1000H, 1001H, or PHYS-BIOL 1060H	---	PHYS 1000H, 1001H, or PHYS-BIOL 1060H
0.5 credit in a humanities subject: AGRS, ARAB, ASLA, CAST, CHIN, CUST, ENGL, FREN, GESO, GREK, GRMN, HIST, HURI, ITAL, LATN, LING, PHIL, RUSS, SPAN, UNIV (excluding UNIV 1003H), WRIT	---	0.5 credit in a humanities subject: AGRS, ARAB, ASLA, CAST, CHIN, CUST, ENGL, FREN, GESO, GREK, GRMN, HIST, HURI, ITAL, LATN, LING, PHIL, RUSS, SPAN, UNIV (excluding UNIV 1003H), WRIT
6.5 additional credits	ERSC 1010H, 1020H, 2090H, 2220H, 2230H, and 3510H; INDG 1001H; 0.5 unassigned BIOL 1000 level; 0.5 unassigned BIOL 2000 level; 1.0 unassigned ERSC 3000 level; 0.5 unassigned SCIE 3000 level	0.5 additional credit
General University Requirements		
A minimum of 14.0 science credits, including 1.0 MATH credit	9.5 assigned through transfer credit	Fulfilled through program requirements
A minimum of 7.0 credits at the 3000 or 4000 level	3.5 assigned through transfer credit	Fulfilled through program requirements
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	2.5 assigned through transfer credit	3.0 required for major; Maximum 1.5 additional permitted
Minimum of 0.5 credit from the Approved Indigenous Course List	INDG 1001H	---