



ARTICULATION AGREEMENT:

**ONTARIO COLLEGE DIPLOMA IN FISH AND WILDLIFE TECHNICIAN
TO
BACHELOR OF SCIENCE (HONOURS), ENVIRONMENTAL AND RESOURCE
SCIENCE**

BETWEEN

**THE SIR SANDFORD FLEMING COLLEGE OF APPLIED ARTS AND
TECHNOLOGY**

AND

TRENT UNIVERSITY

ORIGINAL AGREEMENT DATE: February 2022

The Sir Sandford Fleming College of Applied Arts and Technology's

Ontario College Diploma in Fish and Wildlife Technician

to

Trent University's

Bachelor of Science (Honours), Environmental and Resource Science

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 the Ontario College Diploma in Fish and Wildlife Technician 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 program with a seamless option for continuing their education in the Environmental and Resource 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 will be granted 7.0 credits toward a 13.0 credit Bachelor of Science (Honours) in Environmental and Resource 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 Fish and Wildlife Technician Diploma, who commenced studies since Fall 2020, 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 on a course-by-course basis.

4. **ADMISSION REQUIREMENTS**

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

- Successfully completed Fleming College’s Fish and Wildlife Technician 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 Fish and Wildlife Technician 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) in Environmental and Resource Science at Trent University. Credits will be transferred as follows:

Courses completed at Fleming College	Course equivalencies at Trent University	Credits received
ENVR 20 – Ecology and Environment (60 hours)	ERSC 1010H – Environmental Science and Sustainability	0.5
MATH 25 – Statistics (45 hours)	ERSC-GEOG-BIOL 2080H – Natural Science Statistics	0.5
ECOS 13 – Ecosystem Skills (60 hours)	BIOL 1020H – Foundations of Biodiversity	0.5
SCIE 32 – Comparative Vertebrate Biology (32 hours)	BIOL 2110H – Biology of Vertebrates	0.5
FSTY 50 – Trees and Shrubs of Ontario (60 hours)	BIOL 3190H – Wild Plants of Ontario	0.5
SCIE 62 – Introductory Chemistry (45 hours)	CHEM 1000H – Introductory Chemistry I	0.5
GNEC 49 – Introduction to Indigenous Studies (45 hours)	INDG 1001H – The Foundation for Reconciliation	0.5
COMM 201 – Communications I (45 hours)	WRIT 1001H – Write in Time	0.5
COMM 202 – Communications II (45 hours)	WRIT 2002H – Write It Up: Effective Communication	0.5
SCIE 166 – Animal Disease and Pathology (60 hours)	0.5 unassigned Biology credit at the 1000 level	0.5
FIWI 17 – Freshwater Ecology (32 hours)	0.5 unassigned Biology credit at the 2000 level	0.5
FIWI 16 – Fisheries Management Concepts (56 hours) FIWI 44 – Wildlife Habitat Classification and Assessment (24 hours)	0.5 unassigned Science credit at the 2000 level	0.5
FIWI 18 – Freshwater Biology (60 hours) GEOM 21 – GIS Principles (45 hours)	0.5 unassigned Science credit at the 3000 level	0.5
Completion of all program components	ERSC 1020H – Cases in Environment and Sustainability	0.5

5.2. As these credits recognize areas covered in Fleming College’s Fish and Wildlife Technician 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) 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) in Environmental and Resource 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 ERSC credits consisting of ERSC 1010H, 1020H, 2080H, 2220H, 2230H, and 2240H	ERSC 1010H, 1020H and 2080H	ERSC 2220H, 2230H and 2240H
0.5 ERST credit consisting of ERST 3000H	---	ERST 3000H
3.0 additional ERSC credits from Category A	---	3.0 additional ERSC credits from Category A
1.5 additional ERSC/T credits from Category B	---	1.5 additional ERSC/T credits from Category B
0.5 additional ERST credit from Category C	---	0.5 additional ERST credit from Category C
0.5 ERSC/T credit from Category D	---	0.5 ERSC/T credit from Category D
1.0 ERSC/T credit at the 3000 level or beyond in addition to the above	---	1.0 ERSC/T credit at the 3000 level or beyond in addition to the above
10.0 additional credits	BIOL 1020H, 2110H and 3190H; CHEM 1000H; INDG 1001H; WRIT 1001H and 2002H; 0.5 unassigned BIOL 1000 level; 0.5 unassigned BIOL 2000 level; 0.5 unassigned SCIE 2000 level; 0.5 unassigned SCIE 3000 level	4.5 additional credits
General University Requirements		
A minimum of 14.0 science credits, including 1.0 MATH credit	5.5 assigned through transfer credit	Minimum 4.5 required above; Minimum 4.0 additional required, including 1.0 MATH credit
A minimum of 7.0 credits at the 3000 or 4000 level	1.0 assigned through transfer credit	2.0 required above; Minimum 4.0 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	Maximum 3.5 additional permitted
Minimum of 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 (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) in Environmental and Resource 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 effected.

8. ACCEPTANCE OF AGREEMENT

We, the undersigned, as the representatives of Trent University and the Sir Sandford 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

February 25, 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
Experiences

March 2, 2022

Date



Dr. Michael Khan
Provost & Vice-President Academic

March 1, 2022

Date

ADDENDUM RECORD FOR ARTICULATION AGREEMENT #5760

- **APRIL 2022:**
 - Updated transfer credit block to reflect minor changes to Fish and Wildlife Technician Diploma requirements for Fall 2022.

- **AUGUST 2023:**
 - Updated transfer credit block to reflect changes to Fish and Wildlife Technician Diploma requirements for Fall 2022;
 - Updated degree requirement chart to reflect the new transfer credit block.

APRIL 2022
ADDENDUM
 TO THE
ARTICULATION AGREEMENT #5760
 BETWEEN
THE SIR SANDFORD FLEMING COLLEGE OF APPLIED ARTS AND TECHNOLOGY'S
ONTARIO COLLEGE DIPLOMA IN FISH AND WILDLIFE TECHNICIAN
 AND
TRENT UNIVERSITY'S
BACHELOR OF SCIENCE (HONOURS), ENVIRONMENTAL AND RESOURCE SCIENCE

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

The following change will occur in Fleming College's Fish and Wildlife Technician Diploma starting in Fall 2022:

- GNED 49 – Introduction to Indigenous Studies (45 hours) will be replaced with INDG 49 – Introduction to Indigenous Studies (45 Hours)

These changes specifically refer to Section 5 of the Agreement.

BACHELOR OF SCIENCE (HONOURS), ENVIRONMENTAL AND RESOURCE SCIENCE TRANSFER CREDITS

Students graduating from Fleming College's Fish and Wildlife Technician 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) in Environmental and Resource Science at Trent University.

Courses completed at Fleming College	Course equivalencies at Trent University	Credits received
ENVR 20 – Ecology and Environment (60 hours)	ERSC 1010H – Environmental Science and Sustainability	0.5
MATH 25 – Statistics (45 hours)	ERSC-GEOG-BIOL 2080H – Natural Science Statistics	0.5
ECOS 13 – Ecosystem Skills (60 hours)	BIOL 1020H – Foundations of Biodiversity	0.5
SCIE 32 – Comparative Vertebrate Biology (32 hours)	BIOL 2110H – Biology of Vertebrates	0.5
FSTY 50 – Trees and Shrubs of Ontario (60 hours)	BIOL 3190H – Wild Plants of Ontario	0.5
SCIE 62 – Introductory Chemistry (45 hours)	CHEM 1000H – Introductory Chemistry I	0.5
INDG 49 – Introduction to Indigenous Studies (45 Hours)	INDG 1001H – The Foundation for Reconciliation	0.5
COMM 201 – Communications I (45 hours)	WRIT 1001H – Write in Time	0.5
COMM 202 – Communications II (45 hours)	WRIT 2002H – Write It Up: Effective Communication	0.5
SCIE 166 – Animal Disease and Pathology (60 hours)	0.5 unassigned Biology credit at the 1000 level	0.5
FIWI 17 – Freshwater Ecology (32 hours)	0.5 unassigned Biology credit at the 2000 level	0.5

FIWI 16 – Fisheries Management Concepts (56 hours) FIWI 44 – Wildlife Habitat Classification and Assessment (24 hours)	0.5 unassigned Science credit at the 2000 level	0.5
FIWI 18 – Freshwater Biology (60 hours) GEOM 21 – GIS Principles (45 hours)	0.5 unassigned Science credit at the 3000 level	0.5
Completion of all program components	ERSC 1020H – Cases in Environment and Sustainability	0.5

AUGUST 2023
ADDENDUM
 TO THE
ARTICULATION AGREEMENT #5760
 BETWEEN
THE SIR SANDFORD FLEMING COLLEGE OF APPLIED ARTS AND TECHNOLOGY'S
ONTARIO COLLEGE DIPLOMA IN FISH AND WILDLIFE TECHNICIAN
 AND
TRENT UNIVERSITY'S
BACHELOR OF SCIENCE (HONOURS), ENVIRONMENTAL AND RESOURCE SCIENCE

This Addendum recognizes the changes outlined below, which shall become 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 in the Fish and Wildlife Technician Diploma:

- SCIE 62 – Introductory Chemistry (45 hours) has been replaced with SCIE 189 – Introduction to Environmental Chemical Science (60 hours);
- ECOS 13 – Ecosystem Skills (60 hours) has been renamed ECOS 13 – Field Skills (60 hours);
- Updated transfer credit block and degree requirement chart to include a new equivalent (ERSC 2090H).

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

BACHELOR OF SCIENCE (HONOURS), ENVIRONMENTAL AND RESOURCE SCIENCE: TRANSFER CREDITS

Students graduating from Fleming College's Fish and Wildlife Technician 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 Environmental and Resource Science degree.

Courses Completed at Fleming College	Course Equivalencies at Trent University	# of Credits Received
ENVR 20 – Ecology and Environment (60 hours)	ERSC 1010H – Environmental Science and Sustainability	0.5
MATH 25 – Statistics (45 hours)	ERSC-GEOG-BIOL 2080H – Natural Science Statistics	0.5
GEOL 83 – Earth and Atmosphere (45 hours); GEOM 163 – Fundamentals of Geomatics (45 hours)	ERSC 2090H – Introduction to Geographical Information Systems	0.5
ECOS 13 – Field Skills (60 hours)	BIOL 1020H – Foundations of Biodiversity	0.5
SCIE 32 – Comparative Vertebrate Biology (32 hours)	BIOL 2110H – Biology of Vertebrates	0.5
FSTY 50 – Trees and Shrubs of Ontario (60 hours)	BIOL 3190H – Wild Plants of Ontario	0.5
SCIE 189 – Introduction to Environmental and Chemical Science (60 hours)	CHEM 1000H – Introductory Chemistry I	0.5
INDG 49 – Introduction to Indigenous Studies (45 hours)	INDG 1001H – The Foundation for Reconciliation	0.5
COMM 201 – Communications I (45 hours)	WRIT 1001H – Write in Time	0.5

COMM 202 – Communications II (45 hours)	WRIT 2002H – Write It Up: Effective Communication	0.5
SCIE 166 – Animal Disease and Pathology (60 hours)	0.5 unassigned Biology credit at the 1000 level	0.5
FIWI 17 – Freshwater Ecology (32 hours)	0.5 unassigned Biology credit at the 2000 level	0.5
FIWI 18 – Freshwater Biology (60 hours); GEOM 21 – GIS Principles (45 hours)	0.5 unassigned Science credit at the 3000 level	0.5
Completion of all program components	ERSC 1020H – Cases in Environment and Sustainability	0.5

BACHELOR OF SCIENCE (HONOURS), ENVIRONMENTAL AND RESOURCE SCIENCE: PROGRAM REQUIREMENTS

Program Requirements	Courses Granted Through Transfer Equivalency	Courses Students Still Need to Take
3.0 ERSC credits consisting of ERSC 1010H, 1020H, 2080H, 2220H, 2230H, and 2240H	ERSC 1010H, 1020H and 2080H	ERSC 2220H, 2230H and 2240H
0.5 ERST credit consisting of ERST 3000H	---	ERST 3000H
3.0 additional ERSC credits from Category A	ERSC 2090H	2.5 additional ERSC credits from Category A
1.5 additional ERSC/T credits from Category B	---	1.5 additional ERSC/T credits from Category B
0.5 additional ERST credit from Category C	---	0.5 additional ERST credit from Category C
0.5 ERSC/T credit from Category D	---	0.5 ERSC/T credit from Category D
1.0 ERSC/T credit at the 3000 level or beyond in addition to the above	---	1.0 ERSC/T credit at the 3000 level or beyond in addition to the above
10.0 additional credits	BIOL 1020H, 2110H and 3190H; CHEM 1000H; INDG 1001H; WRIT 1001H and 2002H; 0.5 unassigned BIOL 1000 level; 0.5 unassigned BIOL 2000 level; 0.5 unassigned SCIE 3000 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	Minimum 4.0 required above; Minimum 4.5 additional required, including 1.0 MATH credit
A minimum of 7.0 credits at the 3000 or 4000 level	1.0 assigned through transfer credit	Minimum 2.0 required above; Minimum 4.0 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	Maximum 3.5 additional permitted
Minimum of 0.5 credit from the Approved Indigenous Course List	INDG 1001H	---