

Fleming College



**ARTICULATION AGREEMENT:
FORESTRY TECHNICIAN
To
ENVIRONMENTAL & RESOURCE SCIENCE**

BETWEEN

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

AND

TRENT UNIVERSITY

ORIGINAL AGREEMENT DATE: FEBRUARY 2019

Fleming College's
Forestry Technician Diploma

to

Trent University's
Bachelor of Science (Honours) in 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 Fleming College's Forestry Technician Diploma.

1. PURPOSE

- 1.1. The purpose of this agreement is to provide qualified graduates of Fleming College's Forestry Technician Diploma program with a seamless option for continuing their education in the Bachelor of Science (Honours) in Environmental and Resource Science degree program at Trent University.

2. ROLES AND RESPONSIBILITIES

2.1. Student Supports

Trent University'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 Fleming College's Forestry Technician Diploma will be granted 7.0 credits towards a 20.0 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 Forestry Technician diploma program, who commenced studies since Fall 2018, will be awarded the full 7.0 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 Forestry Technician 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 Forestry Technician Diploma program with a minimum average of 75%, will be granted 7.0 credits towards 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:

Students who have met the above conditions and enrolled in Fleming College’s Forestry Technician diploma program between 2015 and 2017 will receive the following transfer credits.

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
NATR 41 – Soil Studies I (21 hours) NATR 85 – Soil Studies II (21 hours)	ERSC-GEOG 3560H – Soil Science	0.5
ECOS 13 – Ecosystem Skills (60 hours)	BIOL 1020H – Foundations of Biodiversity	0.5
FSTY 50 – Trees and Shrubs of Ontario (60 hours)	BIOL 3190H – Plants of Ontario	0.5
GEOM 36 – Geospatial Techniques (45 hours)	GEOG 2110H – Methods for Physical Geographers	0.5
GNEI 49 – Introduction to Indigenous Studies (45 hours)	INDG 1001H – Foundations of Indigenous	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
Completion of all other program requirements	ERSC 1020H – Cases in Environment and Sustainability ERSC 2240H – Ecological Assessment for Natural Resource Management ERSC 3200Y – Management of Forest Ecosystems 1.0 unassigned ERSC credit at the 2000 level	3.0

Students who have met the above conditions and enrolled in Fleming College’s Forestry Technician diploma program beginning in 2018 or later will receive the following transfer credits.

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
NATR 41 – Soil Studies I (21 hours) NATR 83 – Soil Studies II (21 hours)	ERSC-GEOG 3560H – Soil Science	0.5
ECOS 13 – Ecosystem Skills (60 hours)	BIOL 1020H – Foundations of Biodiversity	0.5
FSTY 50 – Trees and Shrubs of Ontario (60 hours)	BIOL 3190H – Plants of Ontario	0.5
GEOG 122 – Geospatial Data Techniques (90 hours)	GEOG 2090H - Introduction to Geographical Information Systems	0.5
GNED 49 – Introduction to Indigenous Studies (45 hours)	INDG 1001H – Foundations of Indigenous	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
Completion of all other program requirements	ERSC 1020H – Cases in Environment and Sustainability ERSC 2240H – Ecological Assessment for Natural Resource Management ERSC 3200Y – Management of Forest Ecosystems 1.0 unassigned ERSC credit at the 2000 level	3.0

5.2. As these credits recognize areas covered in Fleming College’s Forestry Technician 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 (Honours) in Environmental and Natural Resource Science at Trent University, 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. www.trentu.ca/calendar.

Degree requirements for students who began their Forestry Technician studies between 2015 and 2017.

Program Requirements	Courses Granted Through Transfer Equivalency	Courses Students Still Need to Take
3.0 ERSC credits consisting of ERSC 1010H AND 1020H (or 1000Y), 2080H, 2220H, 2230H and 2240H	ERSC 1010H, 1020H and 2240H	ERSC 2080H, 2220H and 2230H
0.5 ERST credit consisting of ERST 3000H	---	ERST 3000H
2.0 additional ERSC credits from Category A	ERSC-GEOG 3560H	1.5 additional ERSC credits from Category A
1.0 additional ERSC/T credit from Category B	ERSC 3200Y	---
0.5 additional ERST credit from Category C	---	0.5 additional ERST credit from Category C
1.0 ERSC/T credit from Category D	---	1.0 ERSC/T credit from Category D
2.0 ERSC/T credits at the 3000 level or beyond in addition to the above	---	2.0 ERSC/T credits at the 3000 level or beyond in addition to the above
10.0 additional credits	1.0 ERSC credit at the 2000 level; BIOL 1020H and 3190H; GEOG 2110H; INDG 1001H; WRIT 1001H and 2002H	6.0 additional credits
General Degree Requirements		
A minimum of 14.0 science credits, including 1.0 MATH credit	5.5 assigned through transfer credit	Minimum 3.0 required above; an additional 5.5 required, including 1.0 MATH credit
A minimum of 7.0 credits at the 3000 or 4000 level	2.0 assigned through transfer credit	Minimum 3.5 required above; an additional 1.5 required
A minimum of 3.0 credits with a grade of 60% leading to majors in different disciplines	Fulfilled through transfer credit	---
Maximum of 7.0 credits at the 1000 level	2.5 assigned through transfer credit	Maximum 4.5 additional permitted
Minimum of 0.5 credit from the Approved Indigenous Course List	INDG 1001H	---

Note: The above requirements are specified for the B.Sc. (Hons) program. Transfer students from the above diploma program may also pursue a B.A. (Hons) in ERST and are referred to the academic calendar and/or departmental advisor to confirm degree completion requirements.

Degree requirements for students who began their Forestry Technician studies in 2018 or later.

Program Requirements	Courses Granted Through Transfer Equivalency	Courses Students Still Need to Take
3.0 ERSC credits consisting of ERSC 1010H AND 1020H (or 1000Y), 2080H, 2220H, 2230H and 2240H	ERSC 1010H, 1020H and 2240H	ERSC 2080H, 2220H and 2230H
0.5 ERST credit consisting of ERST 3000H	---	ERST 3000H
2.0 additional ERSC credits from Category A	GEOG-ERSC 2090H ERSC-GEOG 3560H	1.0 additional ERSC credits from Category A
1.0 additional ERSC/T credit from Category B	ERSC 3200Y	---
0.5 additional ERST credit from Category C	---	0.5 additional ERST credit from Category C
1.0 ERSC/T credit from Category D	---	1.0 ERSC/T credit from Category D
2.0 ERSC/T credits at the 3000 level or beyond in addition to the above	---	2.0 ERSC/T credits at the 3000 level or beyond in addition to the above
10.0 additional credits	1.0 ERSC credit at the 2000 level; BIOL 1020H and 3190H; INDG 1001H; WRIT 1001H and 2002H	6.5 additional credits
General Degree Requirements		
A minimum of 14.0 science credits, including 1.0 MATH credit	5.5 assigned through transfer credit	Minimum 3.0 required above; 5.5 credits are required in addition to the dictated ERSC/ERST credits for the program of these credits 1.0 credit must be a MATH credit
A minimum of 7.0 credits at the 3000 or 4000 level	2.0 assigned through transfer credit	Minimum 3.5 required above; 1.5 credits are required in addition to the dictated ERSC/ERST credits for the program
A minimum of 3.0 credits with a grade of 60% leading to majors in different disciplines	Fulfilled through transfer credit	---
Maximum of 7.0 credits at the 1000 level	2.5 assigned through transfer credit	Maximum 4.5 additional permitted
Minimum of 0.5 credit from the Approved Indigenous Course List	INDG 1001H	---

Note: The above requirements are specified for the B.Sc. (Hons) program. Transfer students from the above diploma program may also pursue a B.A. (Hons) in ERST and are referred to the academic calendar and/or departmental advisor to confirm degree completion requirements.

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;
- ii. A minimum of 7.0 credits completed at the 3000 or 4000 level through both 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; and
- v. 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 or Bachelor of Arts (Honours) in Environmental and Resource Studies 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

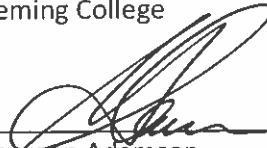


Dr. Holger Hintelmann
Dean, Arts and Science - Science

Date

4/3/19

For, and on behalf of,
Fleming College



Maureen Adamson
President

Date

Mar 15, 2015



Dr. Jacqueline Muldoon
Provost & Vice-President Academic

Date

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**JANUARY 2020
ADDENDUM
TO
ARTICULATION AGREEMENT #5270
BETWEEN
THE SIR SANDFORD FLEMING COLLEGE OF APPLIED ARTS & TECHNOLOGY'S
ONTARIO COLLEGE DIPLOMA IN FORESTRY TECHNICIAN
AND
TRENT UNIVERSITY'S
BACHELOR OF SCIENCE (HONOURS) IN ENVIRONMENTAL & RESOURCE
SCIENCE**

This Addendum recognizes the changes outlined below. 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 has occurred as of the Fall 2019 intake of Fleming College's Forestry Technician Diploma program:

- NATR 41 – Soil Studies I (21 hours) and NATR 83: Soil Studies II (21 hours) have been replaced with NATR 129 – Soils and Ecosystems (45 hours).

The following change has occurred for students beginning studies at Trent University as of September 2020:

- Degree requirement changes for the Environmental and Resource Science program.

These changes refer specifically to Sections 5 and 6 of the Agreement. The transfer credits received remain unchanged.

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

Students graduating from the Forestry Technician Diploma program with a minimum overall average of 75%, who are eligible, will be granted 7.0 credits towards the successful completion of a 20.0 credit Bachelor of Science (Honours) degree in Environmental and Resource Science.

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
NATR 129 – Soils and Ecosystems (45 hours)	ERSC-GEOG 3560H – Soil Science	0.5
ECOS 13 – Ecosystem Skills (60 hours)	BIOL 1020H – Foundations of Biodiversity	0.5
FSTY 50 – Trees and Shrubs of Ontario (60 hours)	BIOL 3190H – Plants of Ontario	0.5
GEOG 122 – Geospatial Data Techniques (45 hours)	GEOG 2090H – Introduction to Geographical Information Systems	0.5

GNEC 49 – Introduction to Indigenous Studies (45 hours)	INDG 1001H – Foundations 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
Completion of all other program requirements	ERSC 1020H – Cases in Environment and Sustainability ERSC 2240H – Ecological Assessment for Natural Resource Management ERSC 3200Y – Management of Forest Ecosystems 1.0 unassigned Environmental & Resource Science credit at the 2000 level	3.0

BACHELOR OF SCIENCE (HONOURS), ENVIRONMENTAL & 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 2240H	ERSC 2080H, 2220H, and 2230H
0.5 ERST credit consisting of ERST 3000H	---	ERST 3000H
3.0 additional ERSC credits from Category A	ERSC-GEOG 3560H	2.5 additional ERSC credits from Category A
1.5 additional ERSC/T credits from Category B	ERSC 3200Y	0.5 additional ERSC/T credit 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 and 3190H; GEOG 2110H; INDG 1001H; WRIT 1001H and 2002H; 1.0 unassigned ERSC 2000 level	6.0 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; 4.5 additional required, including 1.0 Math credit
A minimum of 7.0 credits at the 3000 or 4000 level	2.0 assigned through transfer credit	2.0 required above; 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	2.5 assigned through transfer credit	Maximum 4.5 additional permitted
Minimum of 0.5 credit from the Approved Indigenous Course List	INDG 1001H	---

JUNE 2023
ADDENDUM
TO THE
ARTICULATION AGREEMENT #5270
BETWEEN
THE SIR SANDFORD FLEMING COLLEGE OF APPLIED ARTS AND TECHNOLOGY’S
ONTARIO COLLEGE DIPLOMA IN FORESTRY TECHNICIAN
AND
TRENT UNIVERSITY’S
BACHELOR OF SCIENCE (HONOURS), ENVIRONMENTAL AND RESOURCE SCIENCE

This Addendum recognizes the changes outlined below, which became effective as of the Fall 2020 and Fall 2022 intakes 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. This Addendum replaces the April 2022 version of the agreement.

The following changes have occurred for the Fall 2020 intake at Fleming College:

- GEOM 122 – Geospatial Data Techniques (90 hours) has been replaced with GEOM 163 – Fundamentals of Geomatics and GEOL 83 – Earth and Atmosphere (45 hours) in the Forestry Technician Diploma program. The transfer credits received remain unchanged.

The following changes have occurred for the Fall 2022 intake at Fleming College:

- ECOS 13 – Ecosystem Skills (60 hours) has been renamed ECOS 13 – Field Skills (60 hours).
- GNED 49 – Indigenous Studies (45 hours) has been recoded INDG 49 – Indigenous Studies (45 hours).
- The transfer credits received remain unchanged.

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 Forestry 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.

Credits for students entering the Forestry Technician Diploma program as of Fall 2020 will be transferred as follows:

Courses Completed at Fleming College	Course Equivalencies at Trent University	# of Credits Received
ENVR 20 – Ecology and the Environment (60 hours)	ERSC 1010H – Environmental Science and Sustainability	0.5
NATR 129 – Soils and Ecosystems (45 hours)	ERSC-GEOG 3560H – Soil Science	0.5
ECOS 13 – Ecosystem Skills (60 hours)	BIOL 1020H – Foundations of Biodiversity	0.5
FSTY 50 – Trees and Shrubs of Ontario (60 hours)	BIOL 3190H – Plants of Ontario	0.5
GEOM 163 – Fundamentals of Geomatics (45 hours); GEOL 83 – Earth and Atmosphere (45 hours)	GEOG 2090H – Introduction to Geographical Information Systems	0.5

GNE49 – 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
Completion of all other program components	ERSC 1020H – Cases in Environment and Sustainability; ERSC 2240H – Ecological Assessment for Natural Resource Management; ERSC 3200Y – Management of Forest Ecosystems; 1.0 unassigned Environmental and Resource Science credit at the 2000 level	3.0

Credits for students entering the Forestry Technician Diploma program as of Fall 2022 will be transferred as follows:

Courses Completed at Fleming College	Course Equivalencies at Trent University	# of Credits Received
ENVR 20 – Ecology and the Environment (60 hours)	ERSC 1010H – Environmental Science and Sustainability	0.5
NATR 129 – Soils and Ecosystems (45 hours)	ERSC-GEOG 3560H – Soil Science	0.5
ECOS 13 – Field Skills (60 hours)	BIOL 1020H – Foundations of Biodiversity	0.5
FSTY 50 – Trees and Shrubs of Ontario (60 hours)	BIOL 3190H – Plants of Ontario	0.5
GEOG 163 – Fundamentals of Geomatics (45 hours); GEOG 83 – Earth and Atmosphere (45 hours)	GEOG 2090H – Introduction to Geographical Information Systems	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
Completion of all other program components	ERSC 1020H – Cases in Environment and Sustainability; ERSC 2240H – Ecological Assessment for Natural Resource Management; ERSC 3200Y – Management of Forest Ecosystems; 1.0 unassigned Environmental and Resource Science credit at the 2000 level	3.0

OCTOBER 2024
ADDENDUM
TO THE
ARTICULATION AGREEMENT #5270
BETWEEN
THE SIR SANDFORD FLEMING COLLEGE OF APPLIED ARTS AND TECHNOLOGY'S
ONTARIO COLLEGE DIPLOMA IN FORESTRY TECHNICIAN
AND
TRENT UNIVERSITY'S
BACHELOR OF SCIENCE (HONOURS), ENVIRONMENTAL AND RESOURCE SCIENCE

This Addendum recognizes the changes outlined below, which shall become effective immediately 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 changes have occurred:

- Clarifying transfer credit eligibility for students who have completed the Indigenous Perspectives Designation.

Changes refer to Section 5 of the Agreement. The following will be added as Article 5.3:

- Students who have completed the Indigenous Perspectives Designation (IPD) and who meet the terms of this articulation agreement are eligible to receive an additional transfer credit.
- Students will receive credit for INDG 1002H – Foundations of Modern Indigenous Life for completing INDG 128 – Introduction to Indigenous Knowledges.
- Completion of INDG 49 – Introduction to Indigenous Studies is already recognized as part of the original transfer credit block, providing INDG 1001H - The Foundation for Reconciliation as transfer credit.