Fleming College

TRENT UNIVERSITY

# 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 (21hours)<br>NATR 85-Soil Studies 11 (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 |
| 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 2001H - Write It Up: Effective **Communication** | 0.5 |
| Completion of all other program requirements | ERSC 1020H - Cases in Environment and Sustainability<br>ERSC 2240H - Ecological Assessment for **Natural Resource Management**<br>ERSC 3200Y - Management of Forest **Ecosystems**<br>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)<br>NATR 83 -Soil Studies 11 (21hours) | 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 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 2001H - Write It Up: Effective **Communication** | 0.5 |
| **Completion of all other program requirements** | ERSC 1020H - Cases in Environment and Sustainability<br>ERSC 2240H - Ecological Assessment for **Natural Resource Management**<br>ERSC 3200V - Management of Forest **Ecosystems**<br>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 3000levelorbeyondin addition to the above |
| **10.0 additional credits** | 1.0 ERSC credit at the 2000 level;<br>BIOL 1020H and 3190H;<br>GEOG 2110H;<br>INDG 1001H;<br>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 IO00Y), 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<br>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;<br>BIOL 1020H and 3190H;<br>INDG 1001H;<br>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 creditsl.O 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

4/3/19
Date

For, and on behalf of,
Fleming College

Maureen Adamson
President

March 15, 2019
Date

Dr. Jacqueline Muldoon
Provost & Vice-President Academic

March 6/19
Date

# ADDENDUM RECORD FOR ARTICULATION AGREEMENT #5270

- **JANUARY 2020:**
  - Updated transfer credit block to reflect changes to Forestry Technician Diploma requirements for Fall 2019;
  - Changes to Environmental and Resource Science degree requirements for Fall 2020.

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

- **JUNE 2023:**
  - Updated transfer credit block to reflect changes to Forestry Technician Diploma requirements for Fall 2020 and Fall 2022.

- **OCTOBER 2024:**
  - Updates to Article 5.3 to clarify transfer credit eligibility for students completing the Indigenous Perspectives Designation at Fleming College.

- **MARCH 2026:**
  - Updated transfer credit block to reflect updated equivalencies at Trent University;
  - Changes to Environmental and Resource Science degree requirements for Fall 2026.

- **SEPTEMBER 2026:**
  - The Forestry Technician Diploma program has been replaced with the Forestry Technician – Adaptive Practices Diploma program at Fleming College;
  - Updated transfer credit block to reflect the resulting curriculum changes at Fleming College;
  - Updated degree requirement chart to reflect the new transfer credit block.

**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 – Plans of Ontario | 0.5 |
| GEOM 122 – Geospatial Data Techniques (45 hours) | GEOG 2090H – Introduction to Geographical Information Systems | 0.5 |

| | | |
|---|---|---|
| GNED 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<br>ERSC 2240H – Ecological Assessment for Natural Resource Management<br>ERSC 3200Y – Management of Forest Ecosystems<br>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;<br>GEOG 2110H;<br>INDG 1001H;<br>WRIT 1001H and 2002H;<br>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 | --- |

APRIL 2022

**ADDENDUM**

TO THE

**ARTICULATION AGREEMENT #5270**

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 Forestry 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 Forestry 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 |
| 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 |
| 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 |
| GEOM 36 – Geospatial Techniques (45 hours) | GEOG 2110H – Methods for Physical Geographers | 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 program components | ERSC 1020H – Cases in Environment and Sustainability<br>ERSC 2240H – Ecological Assessment for Natural Resource Management<br>ERSC 3200Y – Management of Forest Ecosystems | 3.0 |

| | | |
|---|---|---|
| | 1.0 unassigned Environmental and Resource Science credit at the 2000 level | |

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 |

| | | |
|---|---|---|
| GNED 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;<br>ERSC 2240H – Ecological Assessment for Natural Resource Management;<br>ERSC 3200Y – Management of Forest Ecosystems;<br>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 |
| GEOM 163 – Fundamentals of Geomatics (45 hours);<br>GEOL 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;<br>ERSC 2240H – Ecological Assessment for Natural Resource Management;<br>ERSC 3200Y – Management of Forest Ecosystems;<br>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.

MARCH 2026

# 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 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 updated equivalencies at Trent University;
- Changes to Environmental and Resource Science degree requirements.

These changes specifically refer to Section 6 of the Agreement.

## 5.1. 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.

| 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 |
| GEOM 163 – Fundamentals of Geomatics (45 hours); GEOL 83 – Earth and Atmosphere (45 hours) | ERSC-GEOG 2090H – Introduction to Geographical Information Systems | 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 |
| 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 |
| NATR 129 – Soils and Ecosystems (45 hours) | 0.5 unassigned Environmental and Resource Science credit at the 3000 level | 0.5 |
| Completion of all other program components | ERSC 1020H – Cases in Environment and Sustainability;<br>ERSC 2240H – Ecological Assessment for Natural Resource Management;<br>ERSC 3200Y – Management of Forest Ecosystems;<br>1.0 unassigned Environmental and Resource Science credit at the 2000 level | 3.0 |

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

To satisfy the requirements of Trent University'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 |
|---|---|---|
| **1.5 ERSC/ERST/SAFS credits from ERSC 1010H, 1020H, 1040H, 1050H, ERST 1030H, or SAFS 1001H** | ERSC 1010H and 1020H | ERSC 1040H, 1050H, ERST 1030H, or SAFS 1001H |
| **2.5 ERSC credits consisting of ERSC 2080H, 2090H, 2220H, 2230H, and 2240H** | ERSC 2090H and 2240H | ERSC 2080H, 2220H and 2230H |
| **0.5 ERST credit consisting of ERST 3000H** | --- | ERST 3000H |
| **0.5 credit from the TSE Capstone Course List** | --- | 0.5 credit from the TSE Capstone Course List |
| **5.0 ERSC credits at the 3000 level or beyond in addition to the above** | ERSC 3200Y;<br>0.5 unassigned ERSC 3000 level | 3.5 ERSC credits at the 3000 level or beyond in addition to the above |
| **0.5 ERSC credit at the 2000 level or beyond in addition to the above** | 0.5 unassigned ERSC 2000 level | --- |
| **1.0 ERST credit at the 2000 level or beyond in addition to the above** | --- | 1.0 ERST credit at the 2000 level or beyond in addition to the above |
| **0.5 MATH credit consisting of MATH 1051H** | --- | MATH 1051H |
| **8.0 additional credits** | BIOL 1020H and 3190H;<br>INDG 1001H;<br>WRIT 1001H and 2002H;<br>0.5 unassigned ERSC 2000 level | 5.0 additional credits |
| **General University Requirements** | | |
| **A minimum of 14.0 science credits, including 1.0 MATH credit** | 5.5 assigned through transfer credit | Minimum 5.5 required for major, including 0.5 MATH credit;<br>Minimum 3.0 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 | 4.5 required through major;<br>Minimum 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** | 2.5 assigned through transfer credit | 1.0 required for major; Maximum 3.5 additional permitted |
| **Minimum of 0.5 credit from the Approved Indigenous Course List** | INDG 1001H | --- |

SEPTEMBER 2026

# ADDENDUM

TO THE

# ARTICULATION AGREEMENT #5270

BETWEEN

# THE SIR SANDFORD FLEMING COLLEGE OF APPLIED ARTS AND TECHNOLOGY'S FORESTRY TECHNICIAN – ADAPTIVE PRACTICES DIPLOMA

AND

# TRENT UNIVERSITY'S BACHELOR OF SCIENCE (HONOURS), ENVIRONMENTAL AND RESOURCE SCIENCE

This Addendum recognizes the changes outlined below, which shall take effect for students commencing studies at Fleming College as of Fall 2024. These changes will remain in effect until the above-noted Agreement expires or is replaced by a subsequent agreement or addendum, whichever occurs first.

The following changes have been made:

- The Forestry Technician Diploma program has been replaced with the Forestry Technician – Adaptive Practices Diploma program;
- Updated transfer credit block to reflect the resulting curriculum changes;
- Updated degree requirement chart to reflect the new transfer credit block.

The changes outlined in this Addendum specifically refer to Sections 5 and 6 of the Agreement.

## 5.1. FORESTRY TECHNICIAN – ADAPTIVE PRACTICES DIPLOMA: TRANSFER CREDITS

Graduates of Fleming College's Forestry Technician – Adaptive Practices Diploma program, who meet the pathway eligibility requirements outlined in Article 4.1, will be granted 8.0 credits towards the 20.0 credit Bachelor of Science (Honours) in Environmental and Resource Science at Trent University.

Credits will be transferred as follows for students who entered the program between Fall 2024, but prior to Fall 2026:

| Courses Completed at Fleming College | Course Equivalencies at Trent University | Credit Weight |
|---|---|---|
| FSTY 74 – Applied Forestry (60 hours);<br>FSTY 129 – Forest Ecosystems (45 hours) | ERSC 3200Y – Management of Forest Ecosystems | 1.0 |
| FSTY 50 – Trees and Shrubs of Ontario (45 hours) | BIOL 3190H – Wild Plants of Ontario | 0.5 |
| INDG 49 – Introduction to Indigenous Studies (45 hours) | INDG 1001H – The Foundation of Reconciliation | 0.5 |
| FSTY 11 – Forest Entomology and Pathology (45 hours) | 0.5 unassigned Environmental and Resource Science credit at the 2000 level | 0.5 |
| FSTY 128 – Forestry Industry Preparation (45 hours) | 0.5 unassigned Environmental and Resource Science credit at the 2000 level | 0.5 |
| FSTY 130 – Introduction to Forest Industry (45 hours) | 0.5 unassigned Environmental and Resource Science credit at the 2000 level | 0.5 |
| FSTY 131 – Forest Data Analysis (45 hours) | 0.5 unassigned Environmental and Resource Science credit at the 2000 level | 0.5 |
| FSTY 132 – Forestry Operations (45 hours) | 0.5 unassigned Environmental and Resource Science credit at the 2000 level | 0.5 |

| | | |
|---|---|---|
| FSTY 135 – Silviculture Planning (90 hours) | 0.5 unassigned Environmental and Resource Science credit at the 2000 level | 0.5 |
| NATR 129 – Soils and Ecosystems (45 hours) | 0.5 unassigned Environmental and Resource Science credit at the 3000 level | 0.5 |
| FSTY 60 – Tree Sciences and Practices (45 hours);<br>FSTY 73 – Forest Measurement (45 hours) | 0.5 unassigned Biology credit at the 1000 level | 0.5 |
| INDG 50 – MiTig (45 hours) | 0.5 unassigned Indigenous Studies credit at the 1000 level | 0.5 |
| Completion of all program components | 1.0 unassigned Environmental and Resource Science credit at the 1000 level;<br>0.5 unassigned Arts credit at the 1000 level | 1.5 |

Credits will be transferred as follows for students who entered the program as of Fall 2026:

| Courses Completed at Fleming College | Course Equivalencies at Trent University | Credit Weight |
|---|---|---|
| FSTY 74 – Applied Forestry (60 hours);<br>FSTY 129 – Forest Ecosystems (45 hours) | ERSC 3200Y – Management of Forest Ecosystems | 1.0 |
| FSTY 11 – Forest Entomology and Pathology (45 hours) | 0.5 unassigned Environmental and Resource Science credit at the 2000 level | 0.5 |
| FSTY 128 – Forestry Industry Preparation (45 hours) | 0.5 unassigned Environmental and Resource Science credit at the 2000 level | 0.5 |
| FSTY 130 – Introduction to Forest Industry (45 hours) | 0.5 unassigned Environmental and Resource Science credit at the 2000 level | 0.5 |
| FSTY 132 – Forestry Operations (45 hours) | 0.5 unassigned Environmental and Resource Science credit at the 2000 level | 0.5 |
| FSTY 135 – Silviculture Planning (90 hours) | 0.5 unassigned Environmental and Resource Science credit at the 2000 level | 0.5 |
| NATR 129 – Soils and Ecosystems (45 hours) | 0.5 unassigned Environmental and Resource Science credit at the 3000 level | 0.5 |
| INDG 50 – MiTig (45 hours) | 0.5 unassigned Indigenous Studies credit at the 1000 level | 0.5 |
| Completion of all program components | 1.0 unassigned Environmental and Resource Science credit at the 1000 level;<br>1.0 unassigned Arts credit at the 1000 level;<br>1.0 unassigned Science credit at the 1000 level;<br>0.5 unassigned Science credit at the 2000 level | 3.5 |

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

Students admitted through this pathway must satisfy the requirements of the Bachelor of Science (Honours) in Environmental and Resource Science as outlined in the Trent University Undergraduate Academic Calendar applicable to their year of entry. Program requirements are subject to change. Students should consult the Academic Calendar (https://trentu.ca/calendar) for current degree requirements and regulations.

Current program requirements, including requirements fulfilled through transfer credits awarded under this Agreement and credits remaining to be completed at Trent University for students entering the Forestry Technician – Adaptive Practices Diploma between Fall 2024 and prior to Fall 2026, are as follows:

| Degree Requirements | Requirements Fulfilled Through Transfer Credit | Requirements to be Completed at Trent University |
|---|---|---|
| **Requirements for the Bachelor of Science (Honours) in Environmental and Resource Science** | | |
| **1.5 ERSC/ERST/SAFS credits from ERSC 1010H, 1020H, 1040H, 1060H, ERST 1030H, or SAFS 1001H** | --- | 1.5 ERSC/ERST/SAFS credits from ERSC 1010H, 1020H, 1040H, 1060H, ERST 1030H, or SAFS 1001H |
| **2.5 ERSC credits consisting of ERSC 2080H, 2090H, 2220H, 2230H, and 2240H** | --- | ERSC 2080H, 2090H, 2220H, 2230H, and 2240H |
| **0.5 ERST credit consisting of ERST 3000H** | --- | ERST 3000H |
| **0.5 credit from the TSE Capstone Course List*** | --- | 0.5 credit from the TSE Capstone Course List |
| **5.0 ERSC credits at the 3000 level or beyond in addition to the above** | ERSC 32000Y;<br>0.5 unassigned ERSC 3000 level | 3.5 ERSC credits at the 3000 level or beyond in addition to the above |
| **0.5 ERSC credit at the 2000 level or beyond in addition to the above** | 0.5 unassigned ERSC 2000 level | --- |
| **1.0 ERST credit at the 2000 level or beyond in addition to the above** | --- | 1.0 ERST credit at the 2000 level or beyond in addition to the above |
| **0.5 MATH credit consisting of MATH 1051H** | --- | MATH 1051H |
| **8.0 additional credits** | BIOL 3190H;<br>INDG 1001H;<br>0.5 unassigned BIOL 1000 level;<br>1.0 unassigned ERSC 1000 level;<br>2.5 unassigned ERSC 2000 level;<br>0.5 unassigned INDG 1000 level;<br>0.5 unassigned ARTS 1000 level | 2.0 additional credits |
| **General University Requirements** | | |
| **At least 3.0 credits, with a grade of 60% or higher, leading to majors in different disciplines** | Fulfilled through transfer credit | --- |
| **At least 14.0 science credits, including 1.0 MATH credit** | 6.5 assigned through transfer credit | Minimum 6.5 required for major, including 0.5 MATH credit;<br>Minimum 1.0 additional required, including 0.5 additional MATH credit |
| **A minimum of 7.0 credits at the 3000 and/or 4000 level** | 2.0 assigned through transfer credit | 4.5 required for major; Minimum 0.5 additional required |
| **A maximum of 7.0 credits at the 1000 level** | 3.0 assigned through transfer credit | 2.0 required for major; Maximum 2.0 additional permitted |
| **A minimum of 0.5 credit from the Approved Indigenous Course List** | INDG 1001H | --- |

Current program requirements, including requirements fulfilled through transfer credits awarded under this Agreement and credits remaining to be completed at Trent University for students entering the Forestry Technician – Adaptive Practices Diploma as of Fall 2026 are as follows:

| Degree Requirements | Requirements Fulfilled Through Transfer Credit | Requirements to be Completed at Trent University |
|---|---|---|
| **Requirements for the Bachelor of Science (Honours) in Environmental and Resource Science** | | |
| **1.5 ERSC/ERST/SAFS credits from ERSC 1010H, 1020H, 1040H, 1060H, ERST 1030H, or SAFS 1001H** | --- | 1.5 ERSC/ERST/SAFS credits from ERSC 1010H, 1020H, 1040H, 1060H, ERST 1030H, or SAFS 1001H |
| **2.5 ERSC credits consisting of ERSC 2080H, 2090H, 2220H, 2230H, and 2240H** | --- | ERSC 2080H, 2090H, 2220H, 2230H, and 2240H |
| **0.5 ERST credit consisting of ERST 3000H** | --- | ERST 3000H |
| **0.5 credit from the TSE Capstone Course List*** | --- | 0.5 credit from the TSE Capstone |

| | | Course List |
|---|---|---|
| **5.0 ERSC credits at the 3000 level or beyond in addition to the above** | ERSC 32000Y;<br>0.5 unassigned ERSC 3000 level | 3.5 ERSC credits at the 3000 level or beyond in addition to the above |
| **0.5 ERSC credit at the 2000 level or beyond in addition to the above** | 0.5 unassigned ERSC 2000 level | --- |
| **1.0 ERST credit at the 2000 level or beyond in addition to the above** | --- | 1.0 ERST credit at the 2000 level or beyond in addition to the above |
| **0.5 MATH credit consisting of MATH 1051H** | --- | MATH 1051H |
| **8.0 additional credits** | 1.0 unassigned ERSC 1000 level;<br>2.0 unassigned ERSC 2000 level;<br>0.5 unassigned INDG 1000 level;<br>1.0 unassigned ARTS 1000 level;<br>1.0 unassigned SCIE 1000 level;<br>0.5 unassigned SCIE 2000 level | 2.0 additional credits |
| **General University Requirements** | | |
| **At least 3.0 credits, with a grade of 60% or higher, leading to majors in different disciplines** | Fulfilled through transfer credit | --- |
| **At least 14.0 science credits, including 1.0 MATH credit** | 6.5 assigned through transfer credit | Minimum 6.5 required for major, including 0.5 MATH credit;<br>Minimum 1.0 additional required, including 0.5 additional MATH credit |
| **A minimum of 7.0 credits at the 3000 and/or 4000 level** | 2.0 assigned through transfer credit | 4.5 required for major; Minimum 0.5 additional required |
| **A maximum of 7.0 credits at the 1000 level** | 3.0 assigned through transfer credit | 2.0 required for major; Maximum 2.0 additional permitted |
| **A minimum of 0.5 credit from the Approved Indigenous Course List** | INDG 1001H | --- |