

MAY 2017  
**ADDENDUM**  
 TO  
**ARTICULATION AGREEMENT**  
 BETWEEN  
**FLEMING COLLEGE'S**  
**EARTH RESOURCES TECHNICIAN CO-OP DIPLOMA**  
 AND  
**TRENT UNIVERSITY'S**  
**ENVIRONMENTAL GEOSCIENCE DEGREE**

This Addendum recognizes the changes outlined below and shall become effective as of the date of signing and remain effective until the above mentioned Agreement expires or until a new agreement is entered into, whichever occurs first.

The following changes have occurred in Trent University courses, resulting in course equivalency name changes. These changes specifically refer to Section 5 and 6 of the Agreement.

**BACHELOR OF SCIENCE (HONOURS) ENVIRONMENTAL GEOSCIENCE: TRANSFER CREDITS**

Students graduating from the Earth Resources Technician Co-op five-semester Diploma program with a minimum overall average of 75%, who are eligible, will be granted 9.0 credits towards the successful completion of a 20 credit Bachelor of Science (Honours) Degree in Environmental Geoscience.

<b>Courses completed at Fleming College</b>	<b>Course equivalencies at Trent University</b>	<b>Credits receive</b>
SCIE 62, Introductory Chemistry (45 hours)	CHEM 1000H Introductory Chemistry I	0.5
ECOS 13, Ecosystem Skills (60 hours)	BIOL 1020H Foundations of Biodiversity	0.5
ENVR 20, Ecology and Environment (60 hours)	ERSC 1010H Foundations of Environmental Science and Studies	0.5
GEOG 36, Geospatial Techniques (45 hours) NATR 91, Soil Mechanics (45 hours)	GEOG 1040H Earth's Physical Processes and Environments	0.5
MATH 25, Statistics (45 hours)	GEOG-BIOL-ERSC 2080H Natural Science Statistics	0.5
SURV 22, Surveying for ERT (30 hours) GEOL 17, Geo-Environmental Site Investigations (45 hours)	EGEO-GEOG-ERSC 2000H Field Methods in Environmental Geoscience	0.5
GEOL 35, Stability of Earth and Structures (45 hours) GEOL 48, Rock Engineering (45 hours)	EGEO 3002H Structural Geology	0.5
GEOL 42, Introduction to Mineralogy and Petrology (60 hours)	EGEO 3000H Introduction to Mineralogy and Petrology	0.5

GEOL 64, Introduction to Sampling Protocols (18 hours) COMP 461, Data Management for Environmental and Natural Resources Management (45 hours)	ERSC 2240H Ecological Assessment for Natural Resource Management	0.5
GEOL 21, Principles of Hydrogeology (60 hours)	GEOG 4080H Hydrogeology	0.5
GEOL 12, Geophysical Methods (60 hours)	EGEO 3001H Applied and Environmental Geophysics	0.5
GEOL 39, Surficial Geology (45 hours)	GEOG 3510H Glacial and Quaternary Geomorphology	0.5
GEOL 34, Sampling Protocols (60 hours) SCIE 65, Geochemical Environmental Analysis (45 hours)	ERSC 2230H Environmental Assessment: Sampling and Analysis	0.5
COMM 34, Technical Reporting (45 hours)	ERSC 3502H Environment and Communication: Writing and Reporting	0.5
COMM 201, Communications I (45 hours)	WRIT 1001H Write in Time	0.5
APST 89: Co-op preparation; APST 100 ERT Co-op Placement	EGEO 4000H ENV. Geoscience Placement	0.5
Completion of all program requirements including GNED courses	1.0 ARTS UNASSIGNED 2000 LEVEL	1.0

Program Requirements	Courses Granted through Transfer Equivalency	Courses students still need to take
<b>YEAR 1:</b>  BIOL 1020H, CHEM 1000H, 1010H, COIS 1020H or 1520H, ERSC 1010H, GEOG 1040H, MATH 1005H or MATH 1110H, MATH 1550H, 1120H or MATH-COIS 2180H, PHYS 1001H, 1002H	BIOL 1020H, CHEM 1000H, ERSC 1010H, GEOG 1040H	CHEM 1010H, COIS 1520H or 1020H, MATH 1005H or MATH 1110H, MATH 1550H or MATH 1120H, PHYS 1001H, 1002H
<b>YEAR 2:</b>  GEOG-BIOL-ERSC 2080H, EGEO-GEOG-ERSC 2100H, CHEM-ERSC 2620H, ERSC 2230H, 2240H, GEOG-ERSC 2090H, GEOG-ERSC 2401H, GEOG 2460H, GEOG 2540H  0.5 ELECTIVE CREDIT	GEOG-BIOL-ERSC 2080H, EGEO-GEOG-ERSC 2000H, ERSC 2230H, ERSC 2240H,  0.5 ARTS YR 2 TO FILL ELECTIVE CREDIT	CHEM-ERSC 2620H, GEOG-ERSC 2090H, GEOG 2460H, GEOG-ERSC 2401H, GEOG 2540H
<b>YEAR 3:</b>  GEOG-ERSC 3020H, GEOG 3530H OR GEOG 4080H, GEOG 3540H, GEOG-ERSC-SAFS 3560H, EGEO 3000H, EGEO 3001H, EGEO 3002H  1.5 ELECTIVE CREDITS	GEOG 4080H, EGEO 3000H,  EGEO 3001H, EGEO 3002H 0.5 ARTS YR 2, WRIT 1001H AND ERSC 3502H TO FILL ELECTIVES	GEOG-ERSC 3020H,  GEOG 3540H, GEOG-ERSC-SAFS 3560H
<b>YEAR 4:</b>  GEOG 3410H, GEOG 3510H OR GEOG 3520H, GEOG 3590H, ERSC-GEOG-BIOL 4060H OR CHEM-ERSC 3600H, EGEO 4000H  2.5 ELECTIVE CREDITS	GEOG 3510H, EGEO 4000H	GEOG 3410H, GEOG 3590H, ERSC-GEOG-BIOL 4060H OR CHEM-ERSC 3600H, 2.5 ELECTIVE CREDITS (maximum 1.5 at 1000 level and minimum 0.5 at 3000 level or above)

General University Degree Requirements		
<b>13.0 science credits (including 1.0 in Mathematics)</b>	7.0 Science credits awarded	Required science credits will be filled with above degree requirements. 1.0 MATH AS NOTED ABOVE
<b>A minimum of 7 credits at the 3000 or 4000 level</b>	3.5 credits at 3000 or 4000 level	Minimum 3.5 credits at 3000 level or above required. Minimum 3.0 will be met through requirements above depending on course selection
<b>A minimum of 3 credits with a grade of 60% in a different discipline</b>	Covered through transfer credits	---
<b>Maximum of 7 credits at the 1000 level</b>	2.5 1000 LEVEL CREDITS	Maximum of 1.5 additional 1000 level credits beyond 3.0 1000 level credits required for degree

We, the undersigned, as the representatives of Trent University and Fleming College, hereby demonstrate our commitment to full implementation of the Addendum to the Agreement.

For, and on behalf of,  
Trent University

\_\_\_\_\_  
Dr. Holger Hintelmann  
Dean of Arts and Science, Sciences

For, and on behalf of,  
Fleming College

\_\_\_\_\_  
Brett Goodwin  
Dean School of Environment & Resource  
Sciences