February 2022

ADDENDUM

TO THE

ARTICULATION AGREEMENT #4906

BETWEEN

THE SIR SANDFORD FLEMING COLLEGE OF APPLIED ARTS AND TEHNOLOGY'S ONTARIO COLLEGE DIPLOMA EARTH RESORUCES TECHNICIAN

AND

TRENT UNIVERSITY'S

BACHELOR OF SCIENCE (HONOURS) ENVIRONMENTAL GEOSCIENCE

This Addendum recognizes the changes outlined below, which shall become effective as of the Fall 2022 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:

- The following courses receiving transfer credit equivalents have been removed from the Earth Resource Technician Diploma program:
  - GEOM 122 – Geospatial Data Techniques
- The following courses have been added to the Earth Resource Technician Diploma program:
  - GEOL 83 - Earth and Atmosphere
  - GEOM 163 – Fundamental of Geomatics
  - GNED 3 – Anthropology
  - SSFC 19 – General Education Elective
- The transfer credit block and degree requirement char have been updated to reflect the new curriculum.

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

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

Students graduating from the Fleming College's Earth Resources Technician Co-op Diploma program with a minimum overall average of 75%who are eligible, will be grated 9.0 credits toward the successful completion of a 20.0 credit Bachelor of Science (Honours) in Environmental Geoscience

Courses completed at [College]	Course equivalencies at Trent University	Credits received
ECOS 13 – Ecosystem Skills (60 credits)	BIOL 1020H – Foundations of Biodiversity	0.5
SCIE 62 – Introductory Chemistry (45 hours)	CHEM 1000H – Introductory Chemistry I	0.5
GEOL 42 – Introduction to Mineralogy and Petrology (60 hours)	EGEO-GEOG 2001H – Earth Materials	0.5
GEOL 12 – Geophysical Methods (60 hours)	EGEO-GEOG 3001H – Applied and Environmental Geophysics	0.5
GEOL 35 – Stability of Earth and Structures (45 hours) GEOL 48 – Rock Engineering (45 hours)	EGEO-GEOG 3002H – Structural Geology	0.5

SURV 22 – Surveying for ERT (30 hours) GEOL 17 – Geo-Environmental Site Investigations (45 hours)	EGEO-ERSC-GEOG 3003H – Field Methods in Environmental Geoscience	0.5
APST 89 – Co-op Preparation/APST 100 – ERT Co-op Placement (645 hours)	EGEO 4000H – Environmental Geoscience Placement/Outreach Experience	0.5
ENVR 20 – Ecology and Environment (60 hours)	ERSC 1010H – Environmental Science and Sustainability	0.5
GEOL 34 – Sampling Protocols (60 hours) SCIE 65 – Geochemical Environmental Analysis (45 hours)	ERSC 2230H – Environmental Assessment: Sampling and Analysis	0.5
GEOL 64 – Introduction to Sampling Protocols (60 hours) GEOL 83 – Earth and Atmosphere (45 hours) GEOM 163 – Fundamental of Geomatics (45 hours) NATR 91 – Soil Mechanics (45 hours)	ERSC 2090H – Introduction to Geographical Information Systems GEOG 1040H – Earth's Physical Processes and Environments	1.0
MATH 25 – Statistics (45 hours)	GEOG-BIOL-ERSC 2080H – Natural Science Statistics	0.5
GEOL 39 – Surficial Geology (45 hours)	GEOG 3510H – Glacial and Quaternary Geomorphology	0.5
GEOL 21 – Principles of Hydrogeology (60 hours)	GEOG 4080H – Hydrogeology	0.5
GNED 49 – Introduction to Indigenous Studies (45 hours)	INDG 1001H – The 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 program requirements, including GNED courses	0.5 unassigned Arts credit at the 2000 level	0.5

BACHELOR OF SCIENCE (HONOURS), ENVIRONMENTAL GEOSCIENCE: PROGRAM REQUIREMENTS

Program Requirements	Courses Granted Through Transfer Equivalency	Courses Students Still Need to Take
2.0 EGEO credits consisting of EGEO 2001H (or 3000H), 3001H, 3002H, and 3003H (or 2000H)	EGEO 2001H, 3001H, 3002H and 3003H	---
0.5 BIOL credit consisting of BIOL 1020H	BIOL 1020H	---
1.5 CHEM credits consisting of CHEM 1000H, 1010H, and 2620H	CHEM 1000H	CHEM 1010H and 2620H
2.0 ERSC credits consisting of ERSC 1010H, 2230H, 2240H, and 4060H	ERSC 1010H and 2230H,	ERSC 4060H and ERSC 2240H
4.0 GEOG credits consisting of GEOG 1040H, 2080H, 2090H, 2460H, 2540H, 3020H, 3560H, and 3590H	GEOG 1040H, 2080H and 2090H	GEOG 2460H, 2540H, 3020H, 3560H and 3590H
0.5 GEOG credit from GEOG 3530H* or 4080H*	GEOG 4080H	---
0.5 MATH credit from MATH 1005H or 1110H*	---	MATH 1005H or 1110H*
0.5 MATH credit from MATH 1120H* or 1550H*	---	MATH 1120H* or 1550H*

0.5 PHYS credit from PHYS 1000H or 1001H	---	PHYS 1000H or 1001H
1.0 credit from Category A (Foundation Science): BIOL 1030H, CHEM 2400H, COIS 1020H, COIS 1400H, COIS 1520H, MATH 1110H*, MATH 1120H*, MATH 1550H*, and PHYS 1002H	---	1.0 credit from Category A
2.5 credits from Category B (Other Geoscience): EGEO 4000H, EGEO 4020D, ERSC 3450H, ERSC-BIOL-GEOG 4070H, ERSC 4350H, ERSC 4530H, GEOG 2401H, GEOG-ERSC 3010H, GEOG 3410H, GEOG 3440H, GEOG 3510H, GEOG 3520H, GEOG 3530H*, GEOG 3540H, GEOG-ERSC-SAFS 3650H, GEOG 4080H*, GEOG 4090H, GEOG-ERSC 4450H, GEOG-ERSC 4640H	EGEO 4000H; GEOG 3510H	1.5 credits from Category B
4.5 additional credits	INDG 1001H; WRIT 1001H and 2002H; 0.5 unassigned ARTS 2000 level	2.5 additional credits
General University Requirements		
A minimum of 14.0 science credits, including 1.0 MATH credit	7.0 assigned through transfer credit	Fulfilled through program requirements
A minimum of 7.0 credits at the 3000 or 4000 level	3.0 assigned through transfer credit	3.5 fulfilled through program requirements; 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	3.0 assigned through transfer credit	Minimum 2.5 fulfilled through program requirements; Maximum 1.5 additional permitted
Minimum of 0.5 credit from the Approved Indigenous Course List	INDG 1001H	---

**Important notes: Asterisked courses may only be counted once toward program requirements. Students are encouraged to carefully plan when selecting courses to ensure they acquire prerequisites, particularly for ERSC 2240H, CHEM-ERSC 3600H, and GEOG 4080H. Furthermore, students are strongly encouraged to take additional courses listed in category B beyond the program requirements to extend their Geoscience background.*