

# York University and Fleming College

## DUAL CREDENTIAL AGREEMENT

-for the-

Sustainable Environmental Management major (Bachelor of Environmental Studies; BES) and the  
Advanced Diploma in Ecosystem Management Technology

### Between:

**YORK UNIVERSITY**, a university continued under the York University Act, 1965 (Ontario) hereinafter also called "**York/ the University**"

and

**THE SIR SANDFORD FLEMING COLLEGE OF APPLIED ARTS AND TECHNOLOGY**, a college formed under the Ontario Colleges of Applied Arts and Technology Act, hereinafter also called "**Fleming/Fleming College / the College**"

### INTRODUCTION – INTENT

- 1) This Agreement facilitates student academic mobility and builds on the university – college academic collaboration within the York-Fleming Partnership.
- 2) The purpose of this Dual Credential Agreement between York University and Fleming College is to prepare students to take action on critical environmental issues. The participating units at the respective institutions are the Faculty of Environmental and Urban Change at York University and the School of Environmental and Natural Resource Sciences at Fleming College.
- 3) This Agreement reflects an update of the original Agreement dated April 25, 2014.

### DEFINITION

#### Objective:

- 1) **A Dual Credential Program** is a program of study offered by two or more universities or by a university and a college or institute, including Institutes of Technology and Advanced Learning, in which successful completion of the requirements is confirmed by a separate and different degree/diploma document being awarded by at least two of the participating institutions, of which one is York University.
- 2) In this arrangement, when students successfully complete the program they will receive both a Honours Bachelors of Environmental Studies in Sustainable Environmental Management (SEM), as well as a three-year advanced diploma in Ecosystem Management. Through this arrangement these two credentials would take five instead of seven years.

## THE PROGRAM

### a) Admission to the Dual Credential Program beginning at York University

- 1) York University will determine admissibility to the SEM program at York University, detailed information on admission requirements is on the Future Students site: <https://futurestudents.yorku.ca>
- 2) Students who intend to pursue the dual credential option are either admitted directly into the program or must declare their intention after their first year of study in the SEM Honours program and must fulfill a set of prescribed requirements.
- 3) York University students in the SEM program may apply through the Internal Fleming College Application Process to the Dual Credential program in Ecosystem Management at the beginning of their third year of studies and must be in SEM Honours program and maintain a minimum Grade Point Average of 5.0 (C+).
- 4) SEM student's admission to this Dual Credential program at Fleming College is contingent upon Fleming's own admissions criteria, as may be amended from time to time, and is therefore not automatic or guaranteed. To be considered for admission, applications to Fleming College must be submitted by February 1<sup>st</sup> of the student's third year of studies through the Fleming Internal Application Process.
- 5) Students applying for admission from York University to Fleming College for the dual credential option must also complete two College (C) Math courses. These courses can be from Grade 11 or Grade 12 or a combination for either Grade 11 or 12. When (C) is the minimum course level for admission, (U) OR (U/C) courses are also accepted. Students who do not have these math courses will be required to take MATH 63 in semester I at Fleming. (See Appendix A)

### b) Admission to the Dual Credential Program beginning at Fleming College

- 1) Students applying to the SEM program at York University after completing the Advanced Diploma in Ecosystem Management at Fleming College, must have graduated with a minimum overall GPA of 3.0 (70%); and must apply through the normal York admission process in the final year of their diploma program.

Upon successfully completing the **DCEM**, students will receive an Honours B.E.S. Honours Degree in Sustainable Environmental Management and an **Advanced Diploma in Ecosystem Management Technology (EMX) from Fleming College.**

### c) Dual Credential Program Requirements:

#### York students going to Fleming:

- 1) Students must complete a minimum of 90 credits at York University before transferring to Fleming College. Students who transfer from York University will be required to complete four of the six semesters required to obtain their second credential, the Advanced Diploma in Ecosystem Management. See Appendix A
- 2) Students who transfer from York University to Fleming College with 90 credits will be awarded 30 block credits as identified in Appendix A towards the Honours SEM credential once they have completed the Advanced Diploma in Ecosystem Management at Fleming College.

#### Fleming students going to York:

Upon completion of the Advanced Diploma in Ecosystem Management,

students will be awarded a block of 60 credits, which will count towards the 120 credits required to obtain a Honours Bachelor of Environmental Studies degree from York University.

**d) Right to Refuse**

York University reserves the right to refuse admission to students who are not qualified or offer admissions to alternate programs if the program they have applied to has reached capacity.

Fleming College reserves the right to refuse admission to students who are not qualified or offer admissions to alternate programs if the program they have applied to has reached capacity.

**Promotion and Advertising**

Fleming College and York University will mention the Transfer Articulation Agreement in promotional materials and advertisements pertaining to their respective programs, during related special events and on their websites, and will ensure that this Agreement is publicized on the Ontario Council on Articulation and Transfer (ONCAT) website. The recruitment areas/ units at both institutions will also be encouraged to work collaboratively to actively promote this articulation agreement.

**Student Support**

Fleming College and York University agree to identify individuals who will serve as contacts between the two institutions for the support of students applying to this dual credential program under the terms of this Agreement.

**Fleming College Contacts:**

**Coordinator, Ecosystem Management  
Technician/Technologist Program**  
School of Environmental and Natural  
Resource Sciences

**Academic Chair**  
School of Environmental and Natural  
Resource Sciences

**York University Contacts:**

**Administrative & Record's Assistant -  
Undergraduate Programs**  
Faculty of Environmental and Urban Change

**Undergraduate Program Director**  
Faculty of Environmental and Urban Change

**Exchange of Information**

- a) Each Spring Fleming College will inform the Office of the Vice-Provost Academic and the Faculty of Environmental and Urban Change (EUC) at York University of any changes in the relevant curriculum or of its course descriptions.
- b) Each Spring York University will inform Fleming College of any changes in its admissions requirements and of any changes in the curriculum of the SEM program.
- c) Transfer credit and waivers identified in this Agreement are based

on curriculum in effect during the 2021-2022 academic year. Any changes in the curriculum or in the description or mnemonic of courses of the programs mentioned above must be reported to the other institution in order to guarantee that transfer credits will be granted as stated above.

- d) Adhering to the Freedom of Information and Protection of Privacy Act, Fleming College and York University will facilitate the authorization of students' personal and/ or academic information for statistical, administrative and/ or research purposes, and to support the application process.

### **Students**

- a) Fleming College and York University both agree to provide the other institution with confirmation of credential completion (Advanced Diploma in Ecosystem Management Technology and SEM Honours) so that transfer credits can be processed in time for the conferral of credentials at the regularly scheduled June or fall convocation.
- b) A notation about this program will be included on the York University student record and on the York University transcript.

### **Updates**

During the implementation period of this Dual Credential Agreement, the detailed information in Appendix A can be updated, with mutual consent, without a new version of this Dual Credential Agreement having to be signed. York University's Office of Admissions, the Office of the Vice Provost Academic and the Office of the Vice President Academic Experience at Fleming College and the Faculty of Environmental and Urban Change (EUC) will notify each other of equivalency and program changes annually.

### **Date of Coming into Effect**

This Transfer Articulation Agreement comes into effect for the Fall 2021 academic term and will be valid for a period of five years (until the Winter academic term 2026). At the end of this period there will be a joint review of articulation activities. This Agreement will be valid for students starting at York University in Fall 2021 and will expire at the end of the Winter 2026 term. Until it comes into effect, students will be supported by course substitutions where necessary.

### **Termination**

At any time, one of the parties may cancel this Transfer Articulation Agreement with a six-month notice in writing to the other party. Students already in the program are given every opportunity to complete the dual credential.

**\*Note:** Under this Agreement students may be considered for admissions into the Fall and/ or Winter 2021-2022 sessions.

**Freedom of Information and Protection of Privacy Act (FIPPA)**

Notwithstanding any other term of this Agreement both parties recognize and agree that each institution may have independent obligations under the *Freedom of Information and Protection of Privacy Act (FIPPA)* or other legislation and that nothing in this Agreement prohibits either party from complying with such obligations.

Both Parties will adhere to their institution’s confidentiality and privacy policies surrounding this Agreement and student information. Each Party is solely responsible for complying with the confidentiality and privacy laws of Ontario when collecting, storing, retaining, using, and disclosing student information.

**Indemnity**

Each Party hereby indemnifies and saves harmless the other Party, and its governors, officers, employees, agents and other representatives, from all liability, all manner of actions, causes of actions, suits, claims, demands and costs whatsoever arising from the actions of the other Party, and its governors, officers, employees, agents and other representatives, in connection with this Agreement.

Neither Party shall be liable to the other for any special, incidental, exemplary, punitive or consequential loss or damages, even if a Party has advised of the possibility of such loss or damage in advance.

**Governing Law**

The Contract shall be governed by and construed in accordance with the laws of the Province of Ontario and the federal laws of Canada applicable therein.

*AGREEMENT SIGNATORIES* The parties signed in duplicate,

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

**Sandra Dupret  
Executive Vice President,  
Academic and Student  
Experience**



\_\_\_\_\_ March 2, 2022 \_\_\_\_\_  
**Date Signed**

**YORK UNIVERSITY**



**Lisa Phillips  
Provost and Vice-President  
Academic**

**March 16, 2022**  
\_\_\_\_\_  
**Date Signed**

**APPENDIX A.**

<b>Degree Requirements for York University Students going to Fleming College</b>
<b><i>Year 1 - (30 credits) (at York University)</i></b>
ENVS 1400 3.00 Environmental management ENVS 1500 3.00 Introduction to environmental science EU/GEOG 1401 3.00 (cross-listed to SC/GEOG 1401 3.00) Physical Geography: Weather and Climate EU/GEOG 1402 3.00 (cross-listed to SC/GEOG 1402 3.00) Physical Geography: The Dynamic Earth EU/ENVS 1010 3.00 Introduction to Environmental Documentaries EU/ENVS 1100 3.00 The land we're on: Treaties, Art and Environment EU/GEOG 1000 6.00 The World Today: An Introduction to World Geography 6.00 credits electives (6.00 Math is strongly recommended if not completed in High School)
<b><i>Year 2 - (30 credits) (at York University)</i></b>
EU/ENVS 2403 3.00 Solutions: Sustainability, Justice, Transitions EU/ENVS 24103.00 Environmental Governance and Policy EU/ENVS 24203.00 Ecology & conservation science EU/ENVS 25103.00 Economics for the Anthropocene EU/ENVS 3010 3.00 Qualitative Methods in Environmental Studies EU/GEOG 2340 3.00 Introduction to Geomatics EUGEOG 2420 3.00 (cross-listed to SC/GEOG2420 Cr=3.00) Introductory Statistical Analysis in Geography 9.00 credits electives
<b><i>Year 3 - (30 credits) (at York University)</i></b>
EU/ENVS 3226 3.00 Sustainable Urbanism: Environmental Planning and Design <b>or</b> EU/ENVS 4225 3.00 Designing sustainable cities EU/ENVS 3230 3.00 Urban Habitats and Restoration Ecology EU/ENVS 3420 3.00 Environmental law EU/ENVS 3505 3.00 Business and sustainability EU/ENVS 4215 3.00 Globalization and Indigenous Peoples <b>or</b> EU/ENVS 4311 3.00 Indigenous Environmental Justice EU/GEOG 2500 3.00 Introduction to Vegetation and Soils (prerequisite GEOG 14013.00 and 1402 3.00) EU/GEOG 3340 3.00 Fundamentals of Geographic Information Systems (GIS) (prerequisite EU/GEOG 2340 3.00) EU/GEOG 3440 3.00 Remote Sensing for Earth Observation (prerequisite EU/GEOG 23403.00) 6.00 credits electives

**Degree Requirements for Students admitted from York University, Sustainable Environmental Management degree program.**

***Year 4 - Semester 1(at Fleming College)***

ECOS13 Ecosystem Skills  
ECOS3 Aquatic Ecosystems  
ECOS11 Terrestrial Ecosystems  
GEOM136 Fundamentals of Geomatics  
LAWS56 (\*\*\*) Natural Resources Law  
MATH63 (\*\*\*\*) Applied Mathematics  
APST0022 Field camp

(\*)EU/GEOG 3340 3.00 Remote Sensing for Earth Observation is considered an equivalent to GEOM34

York students taking both GEOM36 and GEOM34 need to be timetabled such that GEOM36 labs **take** place before GEOM34 labs.

(\*\*) EU/ENVS 3230 is considered an equivalent to ECOS10

(\*\*\*) EU/ENVS 3420 is considered an equivalent to LAWS56

(\*\*\*\*) Required for SEM students admitted with no grade 12 math

Students may take additional courses from ETN, FW, FT, or ERJ if they have exemptions from GEOM34, ECOS10 or LAWS56, depending on seat availability and whether or not the course(s) selected fit within the students' assigned schedule.

***Year 4 - Semester 2 (at Fleming College)***

FSTY73 Forest Measurement  
FSTY50 Trees and Shrubs of Ontario  
FIW141 Wildlife Observation Skills  
ECOS7 Ecosystem Monitoring and Assessment  
GEOM16 EM - Geomatics  
MGMT5 Human Relations  
FLPL108 Field Placement

(\*)EU/GEOG 2500 3.00 (cross-listed to SC/GEOG 2500 3.00) Vegetation and Soils is considered equivalent to NATR129

**Year 5 - Semester 3 (at Fleming College)**

FLPL4 Credit for Product I: Student Placement  
APST21 Field Camp  
FIW114 Habitat Assessment  
LAWS70 Resource and Environmental Economics  
ECOSB (\*\*\*) First Nations and Sustainable Development

(\*)EU/GEOG 3440 3.0 Remote Sensing for Earth Observation is considered equivalent to COMP84  
(\*\*) EU/ENVS4215 or EU/ENVS 4311 3.00 Indigenous Environmental Justice are considered equivalent to ECOSB; however, students are strongly encouraged to take part in active learning components of ECOSB (e.g. talking circles, sweat lodge)

(\*\*\*) EU/ENVS 4225 3.00 or EU/ENVS 3226 3.00 are considered equivalents to ECOS12

**Year 5 (at Fleming College)****Year 5 - Semester 4 (at Fleming College)**

FLPL78 Credit for Product II: Student Placement  
GEOM3 Applications of GIS in Natural Resources  
ECOS6 Ecosystem Health  
FIW130 Principles of Wildlife Management  
FSTY54 Urban and Regional Planning  
TBD Joint Program Colloquium

(\*) EUENVS 3505 3.00 considered equivalent to ECOS5

It is strongly recommended that students DO NOT APPLY for exemptions in their semester 3 and 4 course load while at Fleming College, due to the number of applied experiences built into the curriculum. However, if the student chooses to ignore this advice, he or she may be eligible to select courses from other programs, once again depending upon availability of seats and that the courses fit into his or her assigned schedule.



### ***York Course Credit Exclusions for Fleming College***

Successful completion of the above courses will grant students exemption from the following courses at Fleming College:

- GEOM34 Introduction to Vector GIS
- ECOS8 First Nations and Sustainable Development
- ECOS10 Restoration Ecology
- ECOS12 Urban Ecosystems
- ECOS5 Corporate and Organizational Sustainability, and
- LAWS56 Natural Resources Law
- NATR129 Soils and Ecosystems

Students may contact the Ecosystem Management Program Coordinator at Fleming for specific advice prior to being admitted to the dual credential Program.

### **Fleming College Student**

<b>Degree Requirements for Students Enrolling at York University after completing their Advanced Diploma in Ecosystem Management Technology (EMX) at Fleming College</b>
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<b><i>Year 1- 30 credits (at York University)</i></b>
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EU/ENVS 1400 3.00 Foundations of Environmental Management: Policy, Resources and Conservation EU/ENVS 2403 3.00 Solutions: Sustainability, Justice, Transitions EU/ENVS 24103.00 Environmental Governance and Policy: Ideas, Interests and Institutions EU/ENVS 2510 3.00 Economics for the Anthropocene EU/ENVS 3010 3.00 Qualitative Methods in Environmental Studies <b>12.00 credits electives</b>
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***Year 2- 30 credits (at York University)***

12 credits must be at the 3000 level and 18 credits must be at the 4000-level chosen from among:

- EU/ENVS 3130 3.00 Energy and the Environment in Canada
- EU/ENVS 3400 3.00 Introduction to Climate Change Science and Policy
- EU/ENVS 3403 3.00 Wildlife and Habitat Management
- EU/ENVS 3405 3.00 Ecosystem Services
- EU/ENVS 3406 3.00 Conservation Planning
- EU/ENVS 3430 3.00 Environmental Assessment
- EU/ENVS 3511 3.00 Ecological Economics
- EU/ENVS 4310 3.00 Extraction and its Discontents (integrated to EU/ENVS 5070 3.00)
- EU/ENVS 4400 3.00 Principles of renewable energy: theory, policy and practice (integrated to EU/ENVS 5050 3.00)
- EU/ENVS 4401 3.00 Fundamentals of Energy Efficiency: Theory, Policy and Practice in a Canadian Context (integrated to EU/ENVS 5051 3.00)
- EU/ENVS 4402 3.00 Climate Change Mitigation
- EU/ENVS 4421 3.00 Environmental Law & Justice: Stories and Struggles (integrated to EU/ENVS 5061 3.00)
- EU/ENVS 4440 3.00 Environmental Disasters
- EU/ENVS 4430 3.00 Impact Assessment Process & Practice
- EU/ENVS 4445 3.00 Ontario Environmental Politics and Policy
- EU/ENVS 4446 3.00 Protected Area Management (integrated to EU/ENVS 5016 3.00)
- EU/ENVS 4523 3.00 Systems Thinking: How everything is connected to everything else, and what to do about it (integrated to EU/ENVS 5081 3.00)
- EU/GEOG 3340 3.00 Fundamentals of Geographic Information Systems (GIS)
- EU/GEOG 4150 3.00 Foodscapes and Agri-scapes: Geographical Perspectives

***Course Credit Exclusions for Fleming College Technology (EMX) Students:***

Students entering the **Dual Credential** Program in Sustainable Environmental Management from **Fleming College** will be exempted from the following courses:

- ENVS 1500 3.00 Introduction to Environmental Science
- ENVS 2420 3.00 Ecology and Conservation Science
- ENVS 3230 3.00 Urban Habitats and Restoration Ecology
- EU/ENVS 3226 3.00 Sustainable Urbanism: Environmental Planning and Design
- ENVS 3401 3.00 The Science and Pollution
- EU/ENVS 3420 3.00 Environmental Law
- EU/ENVS 3505 3.00 Business and Sustainability: Issues and Strategies
- EU/ENVS 4215 3.00 Globalization and Indigenous Peoples-Semester Abroad
- EU/ENVS 4225 3.00 Designing Sustainable Cities
- EU/ENVS 4311 3.00 Indigenous Environmental Justice
- ENVS 4442 3.00 Environmental Auditing
- EU/GEOG 1000 6.00 The world today
- EU/GEOG 2340 3.00 Introduction to Geomatics
- EU/GEOG 2420 3.00 (cross-listed to SC/GEOG 2420 3.00) Quantitative Methods
- EU/GEOG 2500 3.00 (cross-listed to SC/GEOG 2500 3.00) Introduction to Vegetation and Soils
- EU/GEOG 3340 3.00 Fundamentals of Geographic Information Systems (GIS)
- EU/GEOG 3440 3.00 Remote Sensing for Earth Observation
- GEOG 4340 3.00 Spatial analysis and problem solving with Geographic Information Systems (GIS)
- GEOG 4440 3.00 Processing and Analysis of Earth Observation Data

## **Appendix B. Legacy arrangements for current students in the Program**

We are committed to ensuring minimal disruption to students through the adherence of legacy (grandparenting) principles. With respect to accommodating students currently enrolled in the program and who have not completed these courses, where necessary, discretion will be used in order to accommodate any students who are inadvertently disadvantaged by the revision and rules implemented by this program. Students who do not complete their degree requirements will be required to meet with the Undergraduate Program Director.

The **legacy** arrangements will be in effective for a three -year period beginning September 1, 2021 and ending April 30, 2023, with winter 2023 being the last academic session and final convocation in June 2023.

## **Appendix C. Application processes**

**York University students** who wish to attend Fleming College and pursue the dual credential program will apply directly to Fleming College Admissions Office, Frost campus, through an internal application.

**Fleming College students** who wish to attend York University will apply through OUAC.

### **Term of the Agreement**

This Agreement shall be in place for a period of five years commencing September 1, 2021. At the end of this time, the Agreement will be subject to review and renewal by York University and Fleming College. If there are impediments to renewal, York University or Fleming College will notify the other institution of the impediments, with the goal of negotiating a new agreement. Final approval of the Agreement will remain with the President of York University and the Vice President of Academic Experience of Fleming College. Either party may terminate the Agreement with six months' written notice.

York University and Fleming College retains the right to limit the number of students admitted under this Agreement.