

Fleming College

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ARTICULATION AGREEMENT

BETWEEN

**SIR SANDFORD FLEMING COLLEGE OF APPLIED ARTS AND TECHNOLOGY
PETERBOROUGH, ONTARIO, CANADA**

AND

**WILFRID LAURIER UNIVERSITY
WATERLOO, ONTARIO, CANADA**

APRIL 2017

The PARTIES to this ARTICULATION AGREEMENT are Sir Sandford Fleming College of Applied Arts and Technology (hereinafter referred to as "FLEMING"), whose address is 599 Brealey Drive, Peterborough, Ontario K9J 7B1, Canada and WILFRID LAURIER UNIVERSITY (hereinafter referred to as "WLU"), whose address is 75 University Avenue West, Waterloo, Ontario, Canada.

This AGREEMENT establishes the principles, guidelines, and procedures governing admission and assessment of selected qualified students to enter the HONOURS BACHELOR OF ARTS IN ENVIRONMENTAL STUDIES program at WLU, subsequent to the successful completion of the ENVIRONMENTAL TECHNICIAN, ECOSYSTEM MANAGEMENT TECHNICIAN, and FISH AND WILDLIFE TECHNICIAN programs at FLEMING.

The purpose of this AGREEMENT is to provide qualified graduates with a seamless option for continuing their education at WLU. This innovative program allows FLEMING graduates from the School of Environment and Natural Resource Sciences to follow up their 2-year Ontario College diploma in ENVIRONMENTAL TECHNICIAN, ECOSYSTEM MANAGEMENT TECHNICIAN, and FISH AND WILDLIFE TECHNICIAN with an HONOURS BACHELOR OF ARTS ENVIRONMENTAL STUDIES degree from WLU in just two more years of full time study. This provides an opportunity to combine the applied skills of college programs with the theoretical knowledge and research skills of the university degree, in the time it normally takes for a 4-year degree. This is the first of such programs at WLU.

At WLU, students would complete 10.0 credits consisting of required core senior Geography and Environmental Studies (GES) courses plus electives. Core requirements include thematic courses in environmental theory/issues, ecological systems, protected areas, hydrology, and geomorphology, combined with further applied training in areas of environmental impact assessment, spatial analysis, geovisualization, GIS, remote sensing, and research methods. Emersion into the life and culture of GES will be accelerated by participation in an extended 3rd year field camp with all other honours students at the very beginning of the program.

The program requirements have been selected to expand college student's theoretical knowledge and research skills, immerse them in a same senior level experience as our current majors, and allow them considerable flexibility to sample from the same breadth of courses as our traditional majors. Incoming college students are expected to enhance the overall experience of other students as they share their knowledge and skills as part of collaborative work.

ARTICLE 1: DEFINITIONS

For the purpose of this AGREEMENT:

- "AGREEMENT" shall mean this articulation agreement, and any or all of its attached Schedules and additional documents incorporated by reference

- "PARTIES" shall refer to both Sir Sandford Fleming College of Applied Arts and Technology and Wilfrid Laurier University

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ARTICLE 2: RECRUITMENT AND MARKETING

Recruitment and marketing representatives and appropriate faculty and program coordinator or designate at both institutions will be responsible for promoting the pathway, recruiting students and providing the necessary orientation as students move from one institution to the other.

ARTICLE 3: STUDENTS

Through communication with WLU program faculty and orientation sessions, students will be advised to consult with their program coordinator or designate to ensure they are on track to successfully complete their program of study.

FLEMING and WLU program faculty will support incoming students by providing them with relevant information related to their program.

ARTICLE 4: MEETINGS

Dean or designate and their respective departments will be responsible for coordinating collaborative meetings for ongoing discussions to coordinate this AGREEMENT.

ARTICLE 5: TRANSFER CREDIT

WLU will be responsible for ensuring that eligible students be enrolled into the appropriate academic semester. Reference the appropriate Schedule for details.

ARTICLE 6: PROGRAM AND GRADUATION REQUIREMENTS

Credential requirements are subject to change at any time and the WLU Academic Calendar should be consulted prior to enrolling in courses to ensure requirements are being met.

ARTICLE 7: IMPLEMENTATION AND REVIEW

This AGREEMENT is subject to review whenever either party makes curricular changes that affect the AGREEMENT. When a change occurs, the program departments will notify their respective articulation designates so that the AGREEMENT can be updated.

This AGREEMENT will be valid from April 2017 to March 2021.

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ARTICLE 8: TERMS AND CONDITIONS OF THE AGREEMENT

WLU does not guarantee admission or placement into any program as outlined in the Schedules. The existence of a program description in any promotional material does not constitute a legal undertaking that the program will be available.

Either party may terminate this AGREEMENT. In this case, notice of one-year is required and the termination request should be submitted in writing. 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.

ARTICLE 9: INDEMNIFICATION AND LIABILITY

FLEMING agrees to indemnify, defend and hold harmless the WLU (including its Representatives) from and against all claims, actions, liabilities, costs, damages, losses and expenses arising from the breach of FLEMING's obligations under this AGREEMENT or as the result of any negligent act or omission or wilful misconduct of FLEMING, or its Representatives, with respect to this AGREEMENT and the subject matter hereof.

WLU agrees to indemnify, defend, and hold harmless FLEMING (including its Representatives) from and against all claims, actions, liabilities, costs, damages, losses and expenses arising from the breach of WLU's obligations under this AGREEMENT or as the result of any negligent act or omission or wilful misconduct of WLU, or its Representatives, with respect to this AGREEMENT and the subject matter hereof.

ARTICLE 10: ADMINISTRATIVE CONTACTS


FLEMING	WLU
Judith Limkilde Vice President Academic judith.limkilde@flemingcollege.ca	Dr. Paul Jessop Acting Vice-President Academic pjessop@wlu.ca Dr. Sean Doherty Professor and Chair, Dept of Geography and Environmental Studies sdoherty@wlu.ca

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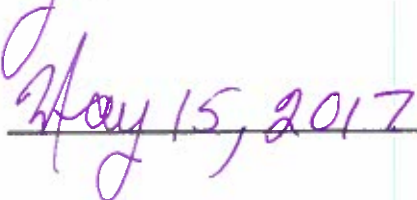
SIGNATURES

AUTHORIZED SIGNATORIES. Each institution represents that the individuals signing this ARTICULATION AGREEMENT have the authority to sign in the capacity indicated.

SIGNED for and on behalf of Sir Sandford Fleming College of Applied Arts and Technology by:




Judith Limkilde, Vice President Academic



Date


SIGNED for and on Wilfrid Laurier University by:



Dr. Paul Jessop, Acting Vice-President:
Academic

APR 27 2017

Date



Dr. Sean Doherty

April 30 / 2017

Date

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SCHEDULE A

Program of Study	HONOURS BACHELOR OF ARTS IN ENVIRONMENTAL STUDIES
Date of Implementation	April 2017
Date of Renewal	March 2021

PREREQUISITE PROGRAM

Ontario College Diploma in ENVIRONMENTAL TECHNICIAN program; and
Ontario College Advanced Diploma in ENVIRONMENTAL TECHNOLOGY program.

ADMISSION REQUIREMENT

A FLEMING prerequisite program graduate with a B- (70%) program average will be eligible for admission consideration into WLU's HONOURS BACHELOR OF ARTS IN ENVIRONMENTAL STUDIES program. Applications will be made by using the Ontario Universities' Application Centre (OUAC) 105D/F application on the OUAC's website.

TRANSFER CREDIT

WLU will grant 10.0 total transfer credits for the FLEMING programs considered, per the table below. Note that 5.0 of these are the same across all programs (3.5 GES credits + 1.5 Biology credits), whereas two of the programs have additional specific BIOL and WASC (Applied Water Science) credits (in italics), followed by a specified number of UU credits.

Fleming Program	GES Courses	Biology Courses	Junior UU credits	Senior UU Credits	TOTAL
Environmental Technician	ES101 Intro Env. Studies ES102 Env Problems & Approaches GG101 Intro Physical Geog GG102 Intro Human Geog GG251 Cartography GG254 Geog Info & Analysis GG258 Geog Research Methods	BIOL111 Unifying Life Processes BIOL266 Life on Earth: Plants BIOL391 Field Ecology of Southern Ontario	2.5	2.5	10.0

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COMPLETION TIMEFRAME

HONOURS BACHELOR OF ARTS IN ENVIRONMENTAL STUDIES program can be completed in four (4) academic semesters or two (2) academic years.

The 10.0 credit courses required to complete the Honours BA Environmental Studies include:

- 4.0 Core GES credits:
 - ES293 Social-Ecological Systems Approaches
 - ES298 Environmental Thought
 - GG281 Atmosphere and Hydrosphere
 - GG282 Geomorphology and Soils
 - ES/GG290 Global Resource and Environmental Issues
 - ES392 Environmental Impact Assessment
 - ES398 Parks and Protected Areas
 - ES/GG399 Third Year Field Studies
- At least one (0.5 credits) of:
 - GG351 Thematic Cartography and Geovisualization
 - GG355 Remote Sensing for Geography and Environmental Studies
 - GG360 Research Methods and Thesis Preparation
 - GG361 Spatial Analysis
 - GG368 Computer Applications in Geography
 - GG369 Geographical Information Systems
- 4.0 senior GES credits with no more than 1.0 at the 200 level and at least 1.0 at the 400 level
- 1.5 electives at the senior level of which up to 1.0 could be from GES

ALIGNMENT STUDY REQUIREMENTS

NOT APPLICABLE

ADDITIONAL NOTES

- The required courses at WLU have been selected to fill the knowledge gaps and permit the FLEMING students to complete a degree program with a similar overall composition to the four year Honours BA Environmental Studies (that program can viewed at <https://legacy.wlu.ca/calendars/program.php?cal=1&d=1566&p=3254&s=763&y=69>).

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SCHEDULE B

Program of Study	HONOURS BACHELOR OF ARTS IN ENVIRONMENTAL STUDIES
Date of Implementation	April 2017
Date of Renewal	March 2021

PREREQUISITE PROGRAM

Ontario College Diploma in ECOSYSTEM MANAGEMENT TECHNICIAN program; and
Ontario College Advanced Diploma in ECOSYSTEM MANAGEMENT TECHNOLOGY program.

ADMISSION REQUIREMENT

A FLEMING prerequisite program graduate with a B- (70%) program average will be eligible for admission consideration into WLU's HONOURS BACHELOR OF ARTS IN ENVIRONMENTAL STUDIES program. Applications will be made by using the Ontario Universities' Application Centre (OUAC) 105D/F application on the OUAC's website.

TRANSFER CREDIT

WLU will grant 10.0 total transfer credits for the FLEMING programs considered, per the table below. Note that 5.0 of these are the same across all programs (3.5 GES credits + 1.5 Biology credits), whereas two of the programs have additional specific BIOL and WASC (Applied Water Science) credits (in italics), followed by a specified number of UU credits.

Fleming Program	GES Courses	Biology Courses	Junior UU credits	Senior UU Credits	TOTAL
Ecosystem Management Technician	ES101 Intro Env. Studies ES102 Env Problems & Approaches GG101 Intro Physical Geog GG102 Intro Human Geog GG251 Cartography GG254 Geog Info & Analysis GG258 Geog Research Methods	BIOL111 Unifying Life Processes BIOL266 Life on Earth: Plants BIOL391 Field Ecology of Southern Ontario + <i>BIOL301 Global Ecology and Biogeography</i> <i>WASC303 Field Methods in Applied Water Science</i>	2.5	1.5	10.0

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COMPLETION TIMEFRAME

HONOURS BACHELOR OF ARTS IN ENVIRONMENTAL STUDIES program can be completed in four (4) academic semesters or two (2) academic years.

The 10.0 credit courses required to complete the Honours BA Environmental Studies include:

- 4.0 Core GES credits: ES293, ES298, GG281, GG282, ES/GG290, ES392, ES398, ES/GG399
- At least one (0.5 credits) of: GG351, GG355, GG360, GG361, GG368, GG369
- 4.0 senior GES credits with no more than 1.0 at the 200 level and at least 1.0 at the 400 level
- 1.5 electives at the senior level of which up to 1.0 could be from GES

ALIGNMENT STUDY REQUIREMENTS

NOT APPLICABLE

ADDITIONAL NOTES

- The required courses at WLU have been selected to fill the knowledge gaps and permit the FLEMING students to complete a degree program with a similar overall composition to the four year Honours BA Environmental Studies (that program can viewed at <https://legacy.wlu.ca/calendars/program.php?cal=1&d=1566&p=3254&s=763&y=69>).

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SCHEDULE C

Program of Study

HONOURS BACHELOR OF ARTS IN
ENVIRONMENTAL STUDIES

Date of Implementation

April 2017

Date of Renewal

March 2021

PREREQUISITE PROGRAM

Ontario College Diploma in FISH AND WILDLIFE TECHNICIAN program; and
Ontario College Advanced Diploma in FISH AND WILDLIFE TECHNOLOGY program.

ADMISSION REQUIREMENT

A FLEMING prerequisite program graduate with a B- (70%) program average will be eligible for admission consideration into WLU's HONOURS BACHELOR OF ARTS IN ENVIRONMENTAL STUDIES program. Applications will be made by using the Ontario Universities' Application Centre (OUAC) 105D/F application on the OUAC's website.

TRANSFER CREDIT

WLU will grant 10.0 total transfer credits for the FLEMING programs considered, per the table below. Note that 5.0 of these are the same across all programs (3.5 GES credits + 1.5 Biology credits), whereas two of the programs have additional specific BIOL and WASC (Applied Water Science) credits (in italics), followed by a specified number of UU credits.

Fleming Program	GES Courses	Biology Courses	Junior UU credits	Senior UU Credits	TOTAL
Fish and Wildlife Technician	ES101 Intro Env. Studies ES102 Env Problems & Approaches GG101 Intro Physical Geog GG102 Intro Human Geog GG251 Cartography GG254 Geog Info & Analysis GG258 Geog Research Methods	BIOL111 Unifying Life Processes BIOL266 Life on Earth: Plants BIOL391 Field Ecology of Southern Ontario + <i>BIOL256 Life on Earth: Animals</i> <i>BIOL301 Global Ecology & Biogeography</i> <i>WASC302 Limnology</i> <i>WASC303 Field Methods in Applied Water Science</i>	2.5	0.5	10.0

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COMPLETION TIMEFRAME

HONOURS BACHELOR OF ARTS IN ENVIRONMENTAL STUDIES program can be completed in four (4) academic semesters or two (2) academic years.

The 10.0 credit courses required to complete the Honours BA Environmental Studies include:

- 4.0 Core GES credits: ES293, ES298, GG281, GG282, ES/GG290, ES392, ES398, ES/GG399
- At least one (0.5 credits) of: GG351, GG355, GG360, GG361, GG368, GG369
- 4.0 senior GES credits with no more than 1.0 at the 200 level and at least 1.0 at the 400 level
- 1.5 electives at the senior level of which up to 1.0 could be from GES

ALIGNMENT STUDY REQUIREMENTS

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