

## **ARTICULATION AGREEMENT**

**THIS AGREEMENT made BETWEEN:**

**THE UNIVERSITY OF WESTERN ONTARIO**  
(hereinafter called "Western")

and

**FLEMING COLLEGE OF APPLIED ARTS AND TECHNOLOGY**  
(hereinafter called "Fleming")

WHEREAS Fleming and Western wish to provide opportunities for graduates of Fleming's Environmental Technician 2-Year Diploma program and its Environmental Technology 3-Year Advanced Diploma program to enroll in the Environmental Science Program in the Faculty of Science at Western and receive transfer credits for courses taken at Fleming;

AND WHEREAS the Parties wish to develop clearly defined pathways for the movement of these students between Fleming and Western;

AND WHEREAS the Parties wish to enter into a formal articulation agreement recognized by the Ontario Council for Articulation and Transfer (ONCAT);

NOW THEREFORE in consideration of the mutual covenants and agreement hereinafter contained, the Parties covenant and agree each with the other as follows:

### **TERMS OF THE AGREEMENT**

1. Western agrees to consider for admission to the Faculty of Science (3-year B.Sc. Environmental Science major, 4-year B.Sc. Environmental Science major, 4-year B.Sc. Environmental Science Specialization, 4-year B.Sc. Environmental Science Honors Specialization), students from Fleming who have complied with the following requirements:
  - a. a minimum cumulative GPA of 3.0 on all courses taken toward the completion of the two-year Environmental Technician Diploma program or three-year Environmental Technology Diploma. The competitive overall average can vary from year to year and will be determined by the University for the year in which students apply. Courses used towards the diploma program that are upgraded after the completion of the diploma program will be considered as part of the GPA. Any course taken after completion of the diploma program and not used toward the diploma program will not be calculated as part of the GPA;
  - b. achieve a minimum grade of "C" or 60 percent in each college course taken toward the completion of the diploma program; and
  - c. no longer than 3 years should have elapsed between conferral of the diploma and admission to Western. Exceptions will be considered on an individual basis.

2. Admissions decisions are within the sole discretion of Western and are not appealable. Applicants who meet the requirements set out above are not guaranteed admission under this Agreement. The decision as to the number of students who will be accepted in any academic year may vary from year to year.
3. Students will receive credit for Fleming courses taken within the 2-year Environmental Technician or 3-year Technology Diploma towards the Faculty of Science (3-year B.Sc. Environmental Science major, 4-year B.Sc. Environmental Science major, 4-year B.Sc. Environmental Science Specialization, 4-year B.Sc. Environmental Science Honors Specialization) at Western as listed in Appendix I. This credit is not transferable to other Faculties or Programs.
4. As of the date of this Agreement, the following progression requirements are required for graduation with a Western degree:
  - a. 3-year B.Sc. Environmental Science Major: an overall average of 60% is required on all courses taken at Western, and a cumulative average of 60% is required in all courses taken toward each module at Western, with a mark of at least 60% in each modular course;
  - b. 4-year B.Sc. Environmental Science Major: an overall average of 60% is required on all courses taken at Western, and a cumulative average of 60% is required in all courses taken toward each module at Western, with a mark of at least 60% in each modular course;
  - c. 4-year B.Sc. Environmental Science Specialization: an overall average of 60% is required on all courses taken at Western, and a cumulative average of 60% is required in all courses taken toward each Specialization module at Western, with a mark of at least 60% in each modular course;
  - d. 4-year B.Sc. Environmental Science Honors Specialization: an overall average of 65% is required on all courses taken at Western, and a cumulative average of 70% is required in all courses taken toward each Honors Specialization module, with a mark of at least 60% in each modular course.

Western will notify Fleming of any changes to these progression requirements during the term of this Agreement.

5. Students who do not meet progression/graduation requirements for the Environmental Science Program in the Faculty of Science or who wish to withdraw from the module/degree combination(s) listed in this agreement, may be eligible for transfer to another program and/or campus at Western at the discretion of the Dean of the Faculty in which they wish to transfer. Students who transfer to another program and/or campus at Western will have the credit that they received as part of the Articulation Agreement removed from their academic record. Credit from the Environmental Technician/Environmental Technology Diploma will be assessed for individual credit on a course-by-course basis by the Admissions Office, as applicable, at that point in time on consultation with the Dean of the appropriate Faculty.
6. In addition to meeting progression requirements, to graduate with a Bachelor of Science Degree, students must successfully complete the courses listed in Appendix II. This list of required courses may be revised by Western during the term of this Agreement and Western will provide Fleming with written notice of any changes to these course requirements.
7. Both Western and Fleming will designate a Program Representative at their respective campuses to facilitate co-ordination of this agreement. The Program Representative will confer, on a regular basis, on the success of the program and other matters of mutual concern.
8. Both Western and Fleming agree to encourage qualified graduates of the two-year Environmental Technician and three-year Environmental Technology Diploma programs to participate by advising and informing them of the benefits of the Agreement.

9. (a) This Articulation Agreement is effective January 1, 2017 and shall continue in force unless terminated by either party as set out herein.

(b) Either party may terminate this Agreement upon three months' written notice of termination to the other party. No applicants will be considered for admission after the date of such notice.

(c) Notwithstanding paragraph (b), if Western decides to terminate this Agreement due to changes to Fleming's curriculum or course content, this Agreement shall terminate on a date that is the earlier of three months after written notice of termination is given to Fleming, and the date that the changes were made by Fleming.

(d) Students accepted by Western under this Agreement prior to issuance of a notice of termination by either party shall be permitted to complete their studies under the terms of this Agreement.


IN WITNESS WHEREOF the parties have executed this agreement under the hands of their duly authorized officers.

FLEMING COLLEGE OF APPLIED ARTS AND TECHNOLOGY

  
\_\_\_\_\_  
Judith Limkilde  
Vice-President Academic

Fleming College of Applied Arts  
and Technology

August 18, 2017  
Date


  
\_\_\_\_\_  
Dr. Brett Goodwin  
Dean, School of Environmental and Natural  
Resource Sciences  
Fleming College of Applied Arts  
and Technology

August 17, 2017  
Date

THE UNIVERSITY OF WESTERN ONTARIO

  
\_\_\_\_\_  
Dr. John Doerksen  
Vice-Provost (Academic Programs)  
The University of Western Ontario

1 August 2017  
Date

  
\_\_\_\_\_  
Dr. Pauline Barmby  
Acting Dean, Science  
The University of Western Ontario

2017/07/17  
Date

**Appendix I  
Diploma to Degree Pathways Program in Environmental Science at Western University**

Below are the transfer credits students will receive towards their degree/module at Western University from a **2-year Environmental Technician Diploma** and a **3-year Environmental Technology Diploma from Fleming College**

**Admission criteria for all programs below:** 75% cumulative average for all college courses with no single course under 60%; No longer than 3 years should have elapsed between conferral of diploma and admission to Western (exceptions will be considered on an individual basis)

| <b>College Program</b>                           | <b>Degree Program/Module</b>                                      | <b>Number of credits granted</b> | <b>Minimum credits to be completed</b> | <b>Actual credits granted</b>   |
|--|---|----------------------------------|--|---|
| <b>Environmental Technician Diploma – 2 year</b> | B.Sc. Environmental Science Major – 3 year degree                 | 4.5                              | 10.5                                   | <b>Introductory Science</b> <ul style="list-style-type: none"> <li>• <b>1.0 course:</b> 1000-level Chemistry: Chemistry 1301A/B and 1302B</li> <li>• <b>0.5 course:</b> Environmental Science 1021F/G</li> </ul>                  |
|  | B.Sc. Environmental Science Major – 4 year degree                 | 4.5                              | 15.5                                   | <b>Environmental Content/Field Skills</b> <ul style="list-style-type: none"> <li>• <b>0.5 course:</b> Biology 2483A</li> <li>• <b>1.0 course:</b> 2000-level non-science course from Environmental Science course list</li> </ul> |
|  | B.Sc. Environmental Science Specialization – 4 year degree        | 4.5                              | 15.5                                   | <b>Social Science</b> <ul style="list-style-type: none"> <li>• <b>0.5 course:</b> 2000-level Social Science credit</li> </ul>   |
|  | B.Sc. Environmental Science Honors Specialization – 4 year degree | 4.5                              | 15.5                                   | <b>Other Credits</b> <ul style="list-style-type: none"> <li>• <b>0.5 course:</b> 1000-level Communications (Arts) Electives</li> <li>• <b>0.5 course:</b> 2000-level Science credit</li> </ul>                                    |

*Note:* A one semester course is typically 0.5 credits.

| College Program   | Degree Program/Module                                      | Number of credits granted | Minimum credits to be completed | Actual credits granted   |
|---|--|---------------------------|---------------------------------|--|
| <b>Environmental Technology Advanced Diploma – 3 year</b> | B.Sc. Environmental Science Major – 3 year degree          | 6.5                       | 8.5                             | <p><b>Introductory Science</b></p> <ul style="list-style-type: none"> <li>• 1.0 course: 1000-level Chemistry: Chemistry 1301A/B and 1302B</li> <li>• 0.5 course: Environmental Science 1021F/G</li> </ul> <p><b>Environmental Content/Field Skills</b></p> <ul style="list-style-type: none"> <li>• 0.5 course: Biology 2483A</li> <li>• 1.0 course: 2000-level non-science course from Environmental Science course list</li> <li>• 0.5 course: 2000-level course from Environmental Science course list from physical science category</li> <li>• 0.5 course: 2000-level from Environmental Science course list from philosophy/policy/political science category</li> </ul> |
|   | B.Sc. Environmental Science Major – 4 year degree          | 6.5                       | 13.5                            | <p><b>Social Science</b></p> <ul style="list-style-type: none"> <li>• 0.5 course: 2000-level Social Science credit</li> </ul>  |
|   | B.Sc. Environmental Science Specialization – 4 year degree | 6.5                       | 13.5                            | <p><b>Other Credits</b></p> <ul style="list-style-type: none"> <li>• 1.0 course: 1000-level Communications (Arts)</li> </ul> <p><b>Electives</b></p> <ul style="list-style-type: none"> <li>• 1.0 course: 2000-level Science credit</li> </ul>   |

Note: A one semester course is typically 0.5 credits.

## Appendix II

### Diploma to Degree Pathways Program in Environmental Science at Western University

Below are the courses students will need to take towards their degree/module at Western University from a **2-year Environmental Technician Diploma** and a **3-year Environmental Technology Diploma from Fleming College**

Course descriptions, course nomenclature (e.g. F/G) and breadth categories (e.g. category A course) can be found in the current Academic Calendar. Please refer to the most recent academic calendar for the Environmental Science course list.

Transfer students MUST see Faculty Academic Counselling to choose their module/degree. It is also recommended to see the Environmental Science Academic Counsellor.

#### College Program - Environmental Technician Diploma – 2 year

| Common courses taken by students in all modules   | Degree Program/Module   | Courses taken towards module or graduation requirements  | Notes  |
|---|---|--|--|
| <ul style="list-style-type: none"> <li>• <b>1.0 course:</b> Biology 1001A and 1002B must be completed during the first year of enrollment</li> <li>• <b>1.0 course</b> from: Calculus 1000A/B, or 1500A/B, 1301A/B or 1501A/B, Mathematics 1225A/B, 1228A/B, 1229A/B, 1600A/B, Statistical Sciences 1024A/B, Applied Mathematics 1201A/B, must be completed during the first year of enrollment</li> <li>• <b>0.5 course:</b> Chemistry 2210A/B.</li> <li>• <b>0.5 course</b> from: Biology 2244A/B, Statistical Sciences 2244A/B, Psychology 2810</li> <li>• <b>0.5 course:</b> a Geography half-course from the Environmental Science Course List.</li> <li>• <b>0.5 course</b> at the 2000-level from Earth Sciences courses in the Environmental Physical Sciences Subject Courses List.</li> <li>• <b>1.0 course:</b> Environmental Science 3300F/G, 3350F/G.</li> <li>• <b>1.5 additional courses</b> from the</li> </ul> | <p>B.Sc. Environmental Science Major – 3 year degree</p><br><p>B.Sc. Environmental Science Major – 4 year</p><br><p>B.Sc. Environmental Science Specialization – 4 year</p> | <ul style="list-style-type: none"> <li>• <b>4.0 option courses</b> (3.5 option courses if Psychology 2810 is taken):</li> <li>• Of these courses, ensure 1.0 courses are senior courses; 1.0 are first year courses, of which 0.5 course must be a non-science course</li> <br/> <li>• <b>9.0 option courses</b> (8.5 option courses if Psychology 2810 is taken):</li> <li>• Of these courses, ensure 6.0 courses are senior courses; 1.0 are first year courses, of which 0.5 course must be a non-science course</li> <li>• Environmental Science 4970F/G may be taken as an option but will not be counted towards module requirements.</li> <li>• <b>0.5 course from:</b> Environmental Science 4949F/G, 4970F/G, Biology 4230A/B, 4405F/G, 4410F/G, 4412F/G, Earth Sciences 4431A/B, 4440A/B.</li> </ul> | <ul style="list-style-type: none"> <li>• A total of 10.5 courses will be taken for this module</li> <li>• To achieve graduation requirements, of all courses taken at Western, ensure 2.0 are essay courses, 0.5 is a category B course and 5.5 courses are Science courses</li> <br/> <li>• A total of 15.5 courses will be taken for this module</li> <li>• To achieve graduation requirements, of all courses taken at Western, ensure 2.0 are essay courses, 0.5 is a category B course and 8.5 courses are Science courses</li> <br/> <li>• A total of 15.5 courses will be taken for this module</li> <li>• To achieve graduation requirements, of all courses taken at Western, ensure 2.0</li> </ul> |



|  |   |  |  |
|--|---|--|--|
| <p>'Environmental Science Course List', including at least 0.5 from each of the 3 subject areas (physical, life science and philosophy/policy/political science group)</p> |   | <ul style="list-style-type: none"> <li>• <b>2.5 additional courses</b> at the 3000 level or above from Environmental Science 4970F/G or the 'Environmental Science Course List'.</li> <li>• <b>6.0 option courses</b> (5.5 option courses if Psychology 2810 is taken): <ul style="list-style-type: none"> <li>• Of these courses, ensure 3.0 courses are senior courses; 1.0 are first year courses, of which 0.5 course must be a non-science course</li> </ul> </li> <li>• <b>1.5 course:</b> Environmental Science 4999E</li> <li>• <b>0.5 course</b> from: Environmental Science 4949F/G, 4970F/G, Biology 4230A/B, 4405F/G, 4410F/G, 4412F/G, Earth Sciences 4431A/B, 4440A/B.</li> <li>• <b>1.0 additional courses</b> at the 3000 level or above from the 'Environmental Science Course List'</li> <li>• <b>6.0 option courses</b> (5.5 option courses if Psychology 2810 is taken): <ul style="list-style-type: none"> <li>• Of these courses, ensure 3.0 courses are senior courses; 1.0 are first year courses, of which 0.5 course must be a non-science course</li> </ul> </li> </ul> | <p>are essay courses, 0.5 is a category B course and 8.5 courses are Science courses</p>   |
|  | <p>B.Sc. Environmental Science Honors Specialization – 4 year</p> |  | <ul style="list-style-type: none"> <li>• A total of 15.5 courses will be taken for this module</li> <li>• To achieve graduation requirements, of all courses taken at Western, ensure 2.0 are essay courses, 0.5 is a category B course and 8.5 courses are Science courses</li> </ul> |

- For all modules no more than 7.0 first year courses will be counted towards degree, including advanced standing credits.
- 'Option courses' are courses that can be taken from any Faculty or Department as long as you have taken/have credit for the pre-requisite course and they meet your graduation requirements, as listed.

### College Program - Environmental Technology Advanced Diploma – 3 year

| Common courses taken by students in all modules   | Degree Program/Module   | Courses taken towards module or graduation requirements   | Notes  |
|---|---|---|--|
| <ul style="list-style-type: none"> <li>• <b>1.0 course:</b> Biology 1001A and 1002B must be completed during the first year of enrollment</li> <li>• <b>1.0 course</b> from: Calculus 1000A/B, or 1500A/B, 1301A/B or 1501A/B, Mathematics 1225A/B, 1228A/B, 1229A/B, 1600A/B, Statistical Sciences 1024A/B, Applied Mathematics 1201A/B, must be completed during the first year of enrollment</li> <li>• <b>0.5 course:</b> Chemistry 2210A/B.</li> <li>• <b>0.5 course</b> from: Biology 2244A/B, Statistical Sciences 2244A/B, Psychology 2810</li> </ul> | <p>B.Sc. Environmental Science Major – 3 year degree</p>          | <ul style="list-style-type: none"> <li>• <b>3.0 option courses</b> (2.5 option courses if Psychology 2810 is taken):</li> <li>• Of these courses, ensure 0.5 courses are senior courses; 0.5 are first year courses</li> </ul>  | <ul style="list-style-type: none"> <li>• A total of 8.5 courses will be taken for this module</li> <li>• To achieve graduation requirements, of all courses taken at Western, ensure 2.0 are essay courses and 4.5 courses are Science courses</li> </ul>  |
| <ul style="list-style-type: none"> <li>• <b>0.5 course:</b> a Geography half-course from the Environmental Science Course List.</li> <li>• <b>0.5 course</b> at the 2000-level from Earth Sciences courses in the Environmental Physical Sciences Subject Courses List.</li> <li>• <b>1.0 course:</b> Environmental Science 3300F/G, 3350F/G.</li> <li>• <b>0.5 additional courses</b> from the 'Environmental Science Course List' from the life science group</li> </ul>  | <p>B.Sc. Environmental Science Major – 4 year</p>                 | <ul style="list-style-type: none"> <li>• <b>8.0 option courses</b> (7.5 option courses if Psychology 2810 is taken):</li> <li>• Of these courses, ensure 5.5 courses are senior courses; 0.5 are first year courses</li> <li>• Environmental Science 4970F/G may be taken as an option but will not be counted towards module requirements</li> </ul>   | <ul style="list-style-type: none"> <li>• A total of 13.5 courses will be taken for this module</li> <li>• To achieve graduation requirements, of all courses taken at Western, ensure 2.0 are essay courses and 7.5 courses are Science courses</li> </ul> |
| <ul style="list-style-type: none"> <li>• <b>0.5 course</b> from: Environmental Science 4949F/G, 4970F/G, Biology 4230A/B, 4405F/G, 4410F/G, 4412F/G, Earth Sciences 4431A/B, 4440A/B.</li> <li>• <b>2.5 additional courses</b> at the 3000 level or above from Environmental Science 4970F/G or the 'Environmental Science Course List'.</li> <li>• <b>5.0 option courses</b> (4.5 option courses if Psychology 2810 is taken):</li> <li>• Of these courses, ensure 2.5 courses are senior courses; 0.5 are first year courses</li> </ul>                     | <p>B.Sc. Environmental Science Honors Specialization – 4 year</p> | <ul style="list-style-type: none"> <li>• <b>0.5 course</b> from: Environmental Science 4949F/G, 4970F/G, Biology 4230A/B, 4405F/G, 4410F/G, 4412F/G, Earth Sciences 4431A/B, 4440A/B.</li> <li>• <b>2.5 additional courses</b> at the 3000 level or above from Environmental Science 4970F/G or the 'Environmental Science Course List'.</li> <li>• <b>5.0 option courses</b> (4.5 option courses if Psychology 2810 is taken):</li> <li>• Of these courses, ensure 2.5 courses are senior courses; 0.5 are first year courses</li> </ul> | <ul style="list-style-type: none"> <li>• A total of 13.5 courses will be taken for this module</li> <li>• To achieve graduation requirements, of all courses taken at Western, ensure 2.0 are essay courses and 7.5 courses are Science courses</li> </ul> |
| <ul style="list-style-type: none"> <li>• <b>1.5 course:</b> Environmental Science 4999E</li> <li>• <b>0.5 course</b> from: Environmental Science 4949F/G, 4970F/G, Biology 4230A/B,</li> </ul>  | <p>B.Sc. Environmental Science Honors Specialization – 4 year</p> | <ul style="list-style-type: none"> <li>• <b>1.5 course:</b> Environmental Science 4999E</li> <li>• <b>0.5 course</b> from: Environmental Science 4949F/G, 4970F/G, Biology 4230A/B,</li> </ul>  | <ul style="list-style-type: none"> <li>• A total of 13.5 courses will be taken for this module</li> <li>• To achieve graduation requirements, of all courses</li> </ul>  |



|  |  |  |   |
|--|--|--|---|
|  |  | <p>4405F/G, 4410F/G, 4412F/G, Earth Sciences 4431A/B, 4440A/B.</p> <ul style="list-style-type: none"> <li>• <b>1.0 additional courses</b> at the 3000 level or above from the 'Environmental Science Course List'</li> <li>• <b>5.0 option courses</b> (4.5 option courses if Psychology 2810 is taken): <ul style="list-style-type: none"> <li>• Of these courses, ensure 2.5 courses are senior courses; 0.5 are first year courses</li> </ul> </li> </ul> | <p>taken at Western, ensure 2.0 are essay courses and 7.5 courses are Science courses</p> |
|--|--|--|---|

For all modules no more than 7.0 first year courses will be counted towards degree, including advanced standing credits.

- 'Option courses' are courses that can be taken from any Faculty or Department as long as you have taken/have credit for the pre-requisite course and they meet your graduation requirements, as listed.