

**Memorandum of Agreement (MoA) - Schedule 'C'**

in relation to Programme Articulation Arrangements  
between

**Institute of Technology Sligo and Fleming College**  
in the fields of Environmental Science

**(incorporating Environmental Technician, Environmental  
Technology & Ecosystem Management Technician)**

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**June 2016**

**1.0. General Terms of Agreement**

Sir Sandford Fleming College of Applied Arts and Technology (Fleming College) and Institute of Technology Sligo (IT Sligo) have signed a Memorandum of Understanding (MoU) committing to ongoing collaboration on several important fronts. Under the umbrella of this MoU, specific student pathways have been identified that enhance the professional and international learning opportunities for the graduates of Fleming College (affiliated to Colleges Ontario) and of the Institute of Technology Sligo (affiliated to Institutes of Technology Ireland).

In each program area for which there is mutual interest in student pathway development, a team of Fleming College and IT Sligo discipline experts have undertaken an alignment and gap analysis based on a comparison of Irish National and Ontario Qualifications Frameworks. Further analysis of a representative sample of program curricula identified that specific curricula vary in focus, the balance of theory and application, and course content.

Based on these analyses, the discipline expert teams recommend to the receiving Institute of Technology Sligo a) block Baccalaureate credit for related Fleming College Diploma study, b) relevant qualifications and bridging requirements and c) point-of-entry to honours baccalaureate programmes.

This MoA offers these recommendations with the understanding that IT Sligo and Fleming College are the sole arbiters in relation to their academic commitments and that individual institutions will make all final decisions in relation to their participation or otherwise under the terms of this agreement.

It is hereby agreed between Fleming College and IT Sligo, who are parties to this MoA and listed in Appendix A (herein), that graduates of Fleming College Diploma programs who meet the Ontario Ministry of Training, Colleges and Universities' (MTCU) Learning Outcomes Program Standards for the fields of Environmental Technician, Environmental Technology & Ecosystem Management Technician are eligible for consideration for admission to the IT Sligo programmes listed in Appendix B below.

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.

## **2.0. Alignment Studies**

Graduates from Fleming College, who qualify for consideration for admission as specified above, will need to complete studies as detailed in Appendix B, or equivalent, in Canada, Ireland or elsewhere, to qualify for entry to the listed IT Sligo programmes.

## **3.0. Grade Requirements**

To be eligible for consideration for entry to matching IT Sligo programmes, Fleming College students will need to have achieved or bettered the following grade averages:

- Diploma – 60%
- Advanced Diploma – 60%

These entry grade requirements will be subject to periodic review.

**Appendix A – Parties to this MoA**

<b>Institution</b>	<b>Web site</b>	<b>Contact Details</b>
<p>Institute of Technology Sligo (IT Sligo)</p>	<p><a href="http://www.itsligo.ie">www.itsligo.ie</a></p>	<p>Patrick Lynch IT Sligo International Office (lynch.patrick@itsligo.ie)</p> <p>Dr Jerry Bird Head of School of Science (bird.jerry@itsligo.ie)</p> <p>Dr Billy Fitzgerald Head of Department of Environmental Science (fitzgerald.billy@itsligo.ie)</p>
<p>Fleming College</p>	<p><a href="http://www.flemingcollege.ca">www.flemingcollege.ca</a></p>	<p>Susan Kloosterman Director, Academic Planning, Operations and Student Pathways (susan.kloosterman@flemingcollege.ca)</p> <p>David Adam Baker Pathways Coordinator (david.baker@flemingcollege.ca)</p> <p>Linda Skilton Dean, School of Environmental &amp; Natural Resources (linda.skilton@flemingcollege.ca)</p>

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**OFFICERS RESPONSIBLE FOR MANAGING  
THE MEMORANDUM OF AGREEMENT**

The President of IT Sligo and the Vice President Academic of Fleming College will have responsibility for managing the implementation of the terms of this Memorandum of Agreement. This responsibility may be delegated to relevant members of staff in each organization.

**SIGNATURES**

For, and on behalf of,  
Institute of Technology Sligo



President Professor Vincent Cunnane

Date

For, and on behalf of,  
Sir Sandford Fleming College of Applied Arts  
and Technology



~~Laurel Schellen~~ **JUDITH LINKILDE**  
Vice-President, Academic

28/09/16

Date



Linda Skilton  
Dean, School of Environmental & Natural  
Resource Sciences

Sept 28/16

Date

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## Appendix B – Required Alignment Studies

IT Sligo Programme	Fleming College Programme	Recommended Fleming College Programme NFQ Level	Recommended Fleming College Number of NFQ Credits	Recommended IT Sligo Programme Point of Entry	Alignment Study Requirements	Exemption Recommendations
BSc in Environmental Protection	Environmental Technician (Ontario College Diploma)	6	120	Semester 5 (Full-Time)	N/A	To be considered on an individual student basis to facilitate alignment studies.

**Recommended Note to Students**

Fleming College Environmental Technician graduates will complete 2 semesters in IT Sligo to complete the BSc in Environmental Protection (NFQ Level 7) Bachelor Degree.

Typically, semesters in IT Sligo operate Sep-Dec and Jan-May. Therefore, the end-to-end period of full-time study for Fleming College students who pass all examinations in IT Sligo would be approximately 9 months.

Graduates of the BSc in Environmental Protection (NFQ Level 7) can achieve a BSc (Hon) in Environmental Science (NFQ Level 8) Honours Bachelor Degree via one further year (2 semesters) of full-time study at IT Sligo.

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## Appendix B – Required Alignment Studies

IT Sligo Programme	Fleming College Programme	Recommended Fleming College Programme NFQ Level	Recommended Fleming College Number of NFQ Credits	Recommended IT Sligo Programme Point of Entry	Alignment Study Requirements	Exemption Recommendations
BSc in Environmental Protection	Ecosystem Management Technician (Ontario College Diploma)	6	120	Semester 5 (Full-Time)	N/A	To be considered on an individual student basis to facilitate alignment studies.

**Recommended Note to Students**

Fleming College Ecosystem Management Technician graduates will complete 2 semesters in IT Sligo to complete the BSc in Environmental Protection (NFQ Level 7) Bachelor Degree.

Typically, semesters in IT Sligo operate Sep-Dec and Jan-May. Therefore, the end-to-end period of full-time study for Fleming College students who pass all examinations in IT Sligo would be approximately 9 months.

Graduates of the BSc in Environmental Protection (NFQ Level 7) can achieve a BSc (Hon) in Environmental Science (NFQ Level 8) Honours Bachelor Degree via one further year (2 semesters) of full-time study at IT Sligo.

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IT Sligo Programme	Fleming College Programme	Recommended Fleming College Programme NFQ Level	Recommended Fleming College Number of NFQ Credits	Recommended IT Sligo Programme Point of Entry	Alignment Study Requirements	Exemption Recommendations
BSc (Hon) in Environmental Science	Environmental Technology (Ontario College Advanced Diploma)	7	180	Semester 7 (Full-Time)	Students must undertake bridging studies in Applied Environmental Microbiology (MCRO07003)	To be considered on an individual student basis to facilitate alignment studies.

**Recommended Note to Students**

Fleming College Environmental Technology graduates will complete 2 semesters in IT Sligo to complete the BSc (Hon) in Environmental Science (NFQ Level 8) Honours Bachelor Degree.  
Typically, semesters in IT Sligo operate Sep-Dec and Jan-May. Therefore, the end-to-end period of full-time study for Fleming College students who pass all examinations in IT Sligo would be approximately 9 months.

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## Notes

1. The Alignment Study Requirements refer to modules that Fleming College graduates must complete to ensure that they meet the entry requirements of IT Sligo programmes that are cognate with the Diplomas they have completed. Alignment study requirements may be updated in line with programme changes. Students should contact the IT Sligo in advance to ensure that full details of alignment studies are reviewed before they make final decisions re: submitting applications for admission.
2. The Exemption Recommendations column refers to cases where Fleming College graduates have completed both formal and informal learning for which they can be granted exemptions at IT Sligo (the latter under IT Sligo Recognition of Prior Learning (RPL) procedures).
3. It is important that both alignment and exemption details be specified where relevant as, with a combination of alignment and exemption modules, Fleming College graduates may be in a position to avail of "customised semesters" at IT Sligo where they can complete the extra modules required for alignment purposes while completing fewer modules in subject areas in which they are already well qualified.

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# October 2022

## Addendum to the Articulation Agreement

Between

Fleming College

and

Atlantic Technological University - Sligo

### SCHEDULE A

The Agreement with the Institute of Technology–Sligo remains valid and novates to the Atlantic Technological University. Pathways listed below apply to the Atlantic Technological University–Sligo campus only.

This Addendum recognizes the changes to Schedule A outlined below, which shall become effective as of the Fall 2022 intake at the Atlantic Technological University–Sligo (ATU-Sligo). These changes will remain effective until the Agreement mentioned above expires or a new agreement is entered, whichever occurs first.

The Addendum deletes the Recommended Note to Students subsection from the Schedule.

The following changes have occurred to ATU-Sligo's eligible program:

#### PREVIOUS ELIGIBLE PROGRAM(S):

Fleming	ATU-Sligo	Level Entry
Carpentry and Renovation Technician	Bachelor of Science (Ordinary) in Construction Project Management	Year 3 of a 3-year program
Carpentry and Renovation Technician	Bachelor of Science (Ordinary) in Wood & Sustainable Building Technology.	Year 3 of a 3-year program

#### ACTIVE ELIGIBLE PROGRAM(S):

Fleming	ATU-Sligo	Level Entry
Carpentry and Renovation Technician	Bachelor of Science (Honours) in Construction Project Management and Applied Technology	Year 3 of a 4-year program
Carpentry and Renovation Technician	Bachelor of Science (Ordinary) in Construction Management (Online)	Year 3 of a 3-year program
<b>Pathway Unchanged</b>		
Carpentry and Renovation Technician	Bachelor of Science (Ordinary) in Wood & Sustainable Building Technology.	Year 3 of a 3-year program

Alignment study requirements and admission requirements are unchanged.

## October 2022

### Addendum to the Articulation Agreement

Between

**Fleming College**

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**Atlantic Technological University - Sligo**

#### SCHEDULE B

The Agreement with the Institute of Technology–Sligo remains valid and novates to the Atlantic Technological University. Pathways listed below apply to the Atlantic Technological University–Sligo campus only.

This Addendum recognizes the changes to Schedule B outlined below, which shall become effective as of the Fall 2022 intake at the Atlantic Technological University–Sligo (ATU-Sligo). These changes will remain effective until the Agreement mentioned above expires or a new agreement is entered, whichever occurs first.

The Addendum deletes the Recommended Note to Students subsection from the Schedule.

The following changes have occurred to ATU-Sligo's eligible program:

#### PREVIOUS ELIGIBLE PROGRAM(S):

<b>Fleming</b>	<b>ATU-Sligo</b>	<b>Level Entry</b>
Social Service Worker	Bachelor of Arts (Honours) in Social Care Practice	Year 3 of a 4-year program
Early Childhood Education	Bachelor of Arts (Honours) Early Childhood Care and Education	Year 3 of a 4-year program

#### ACTIVE ELIGIBLE PROGRAM(S):

<b>Fleming</b>	<b>ATU-Sligo</b>	<b>Level Entry</b>
Social Service Worker	Effective June 2022, the Social Service Worker pathway is suspended.	Not applicable
Early Childhood Education	Bachelor of Education (Honours) in Early Education and Care	Year 3 of a 4-year program

# October 2022

## Addendum to the Articulation Agreement

Between

**Fleming College**

and

**Atlantic Technological University - Sligo**

### SCHEDULE C

The Agreement with the Institute of Technology–Sligo remains valid and novates to the Atlantic Technological University. Pathways listed below apply to the Atlantic Technological University–Sligo campus only.

This Addendum recognizes the changes to Schedule C outlined below, which shall become effective as of the Fall 2022 intake at the Atlantic Technological University–Sligo (ATU-Sligo). These changes will remain effective until the Agreement mentioned above expires or a new agreement is entered, whichever occurs first.

The Addendum deletes the Recommended Note to Students subsection from the Schedule.

The following changes have occurred to ATU-Sligo's eligible program:

#### PREVIOUS ELIGIBLE PROGRAM(S):

<b>Fleming</b>	<b>ATU-Sligo</b>	<b>Level Entry</b>
Environmental Technician	Bachelor of Science (Ordinary) in Environmental Protection	Year 3 of a 3-year program
Ecosystem Management Technician	Bachelor of Science (Ordinary) in Environmental Protection	Year 3 of a 3-year program
Environmental Technology	Bachelor of Science (Honours) in Environmental Science	Year 4 of a 4-year program

#### ACTIVE ELIGIBLE PROGRAM(S):

<b>Fleming</b>	<b>ATU-Sligo</b>	<b>Level Entry</b>
Environmental Technician	Bachelor of Science (Ordinary) in Environmental Science with Ecology	Year 3 of a 3-year program
Ecosystem Management Technician	Bachelor of Science (Ordinary) in Environmental Science with Ecology	Year 3 of a 3-year program
Environmental Technology	Bachelor of Science (Honours) in Environmental Science with Ecology	Year 4 of a 4-year program

## October 2022

**Addendum to the Articulation Agreement  
Between  
Fleming College  
and  
Atlantic Technological University - Sligo**

### SCHEDULE D

The Agreement with the Institute of Technology–Sligo remains valid and novates to the Atlantic Technological University. Pathways listed below apply to the Atlantic Technological University–Sligo campus only.

This Addendum recognizes the changes to Schedule D outlined below, which shall become effective as of the Fall 2022 intake at the Atlantic Technological University–Sligo (ATU-Sligo). These changes will remain effective until the Agreement mentioned above expires or a new agreement is entered, whichever occurs first.

The Addendum deletes the Recommended Note to Students subsection from the Schedule.

The following changes have occurred to ATU-Sligo's eligible program:

#### PREVIOUS ELIGIBLE PROGRAM(S):

<b>Fleming</b>	<b>ATU-Sligo</b>	<b>Level Entry</b>
Instrumentation & Control Engineering Technician	Bachelor of Engineering (Ordinary) in Mechatronics	Year 3 of a 3-year program

#### ACTIVE ELIGIBLE PROGRAM(S):

No changes.

# October 2022

## Addendum to the Articulation Agreement

Between

Fleming College

and

Atlantic Technological University - Sligo

### SCHEDULE E

The Agreement with the Institute of Technology–Sligo remains valid and novates to the Atlantic Technological University. Pathways listed below apply to the Atlantic Technological University–Sligo campus only.

This Addendum recognizes the changes to Schedule E outlined below, which shall become effective as of the Fall 2022 intake at the Atlantic Technological University–Sligo (ATU-Sligo). These changes will remain effective until the Agreement mentioned above expires or a new agreement is entered, whichever occurs first.

The Addendum deletes the Recommended Note to Students subsection from the Schedule.

The following changes have occurred to ATU-Sligo’s eligible program:

#### PREVIOUS ELIGIBLE PROGRAM(S):

<b>Fleming</b>	<b>ATU-Sligo</b>	<b>Level Entry</b>
Recreation & Leisure Services	Bachelor of Business in Recreation & Leisure	Year 3 of a 3–year program

#### ACTIVE ELIGIBLE PROGRAM(S):

<b>Fleming</b>	<b>ATU-Sligo</b>	<b>Level Entry</b>
Recreation & Leisure Services	Bachelor of Business in Applied Sport with Business	Year 3 of a 3–year program

# October 2022

**Addendum to the Articulation Agreement  
Between  
Fleming College  
and  
Atlantic Technological University - Sligo**

## SCHEDULE F

The Agreement with the Institute of Technology–Sligo remains valid and novates to the Atlantic Technological University. Pathways listed below apply to the Atlantic Technological University–Sligo campus only.

This Addendum recognizes the changes to Schedule F outlined below, which shall become effective as of the Fall 2022 intake at the Atlantic Technological University–Sligo (ATU-Sligo). These changes will remain effective until the Agreement mentioned above expires or a new agreement is entered, whichever occurs first.

The Addendum deletes the Recommended Note to Students subsection from the Schedule.

The following changes have occurred to ATU-Sligo’s eligible program:

### PREVIOUS ELIGIBLE PROGRAM(S):

<b>Fleming</b>	<b>ATU-Sligo</b>	<b>Level Entry</b>
Computer Engineering Technician	Bachelor of Science (Ordinary) in Computing in Systems & Networking	Year 3 of a 3-year program


### ACTIVE ELIGIBLE PROGRAM(S):

<b>Fleming</b>	<b>ATU-Sligo</b>	<b>Level Entry</b>
Computer Engineering Technician	Bachelor of Science (Ordinary) in Computer Networks & Cyber Security	Year 3 of a 3-year program

Alignment study requirements and admission requirements are unchanged.


We, the undersigned, as the representatives of Atlantic Technological University - Sligo and The Sir Sandford Fleming College of Applied Arts and Technology hereby demonstrate our commitment to full implementation of the 2016 Agreement and the June 2022 Addendum.

THE SIR SANDFORD FLEMING COLLEGE OF APPLIED  
ARTS AND TECHNOLOGY

By:   
Name: Sandra Dupret

Title: Executive Vice President, Academic  
and Student Experience

ATLANTIC TECHNOLOGICAL UNIVERSITY-SLIGO

By:   
Name: Patrick Lynch

Title: International Manager