ARTICULATION AGREEMENT

Between

QUINSIGAMOND COMMUNITY COLLEGE
LIBERAL ARTS -- ENVIRONMENTAL SCIENCE OPTION
ASSOCIATE IN ARTS

And the

UNIVERSITY OF MASSACHUSETTS LOWELL
KENNEDY COLLEGE OF SCIENCE
ENVIRONMENTAL SCIENCE
BACHELOR OF SCIENCE

Fall 2016

This articulation agreement has been established between Quinsigamond Community College (QCC) and the University of Massachusetts Lowell (UML) Kennedy College of Science--Environmental, Earth and Atmospheric Sciences Department. This agreement was developed with the intent of facilitating the success of students at Quinsigamond Community College and the University of Massachusetts Lowell as well as the transfer of course credits between the two partner institutions. Furthermore, these agreements are intended to serve as a guideline for those who desire to complete their Associate in Arts—Liberal Arts—Environmental Science Option at Quinsigamond Community College while also transferring into the Bachelor of Science in Environmental Science at the University of Massachusetts Lowell.

Students completing the described course programs, in accordance with the minimum standards as set in this agreement, will be admitted to the corresponding Environmental Science Degree program at the University of Massachusetts Lowell. Furthermore, such students who complete the described series of courses will receive an Associate of Arts Degree—Liberal Arts—Environmental Science Option at QCC, and may qualify for tuition waiver through UML's Massachusetts Advantage Plus Program as described below. Students who do not meet the minimum standards set forth herein will be considered for admission to UML on a case-by-case basis.

OBJECTIVES:

1. To facilitate the completion of students' Associate in Arts—Liberal Arts—Environmental Science Concentration at QCC.

2. To facilitate the completion of students' Bachelor of Science Degree in Environmental Science at UML.

3. To encourage the transfer of qualified students from Quinsigamond Community College to the University of Massachusetts Lowell by providing effective and concise guidelines.

4. To award appropriate academic credit for courses completed at QCC toward UML's Environmental Science program.

TERMS OF THE TRANSFER ARTICULATION AGREEMENT:

1. This document is based upon the evaluation of course descriptions offered by QCC and UML. QCC courses as listed in this agreement will transfer to UML provided a grade of C- or higher has been earned. When appropriate, the requirements of the Mass Transfer Program will be honored. Courses judged below college level by the University of Massachusetts Lowell will not be accepted for transfer credit.

2. UML guarantees the acceptance of all students who complete those QCC courses in the related concentrations as listed in the attached Program of Study with an overall GPA of 2.5 or higher to the Bachelor of Science in Environmental Science Degree Program.

3. UML guarantees the transfer of credit as stipulated in the attached Program of Study. The University of Massachusetts Lowell requires that at least 45 – 52 degree credits be completed in residence; the total number of credits required to earn a Bachelor of Science in Environmental Science from UML is 120 credits. The University of Massachusetts Lowell may accept courses beyond the Associates Degree (60 credits); however, students are encouraged to contact the transfer advisor at the University of Massachusetts for approval.

4. Quinsigamond Community College transfer students will be subject to all general education requirements of the University of Massachusetts Lowell as set forth in the University of Massachusetts Lowell catalog. Quinsigamond Community College students interested in participating in the agreement should be advised to take liberal arts courses that will transfer as general education electives.

5. Under the UML Massachusetts Advantage Plus Program, Massachusetts state community college students who have earned an Associates in Arts—Liberal Arts—Environmental Science Option from QCC and graduated with a 3.0 or better grade point average will receive a tuition waiver at UML. After transferring, students must be continuously enrolled and maintain a 3.0 grade point average at UML to continue the waiver for up to four semesters.

This agreement shall remain in effect for a period of three years from the date of its enactment (completed signatures), with the provision that the terms specified herein will continue to apply to students admitted from Quinsigamond Community College's Associates in Arts—Liberal Arts—Environmental Science Option program within one year of the expiration of the agreement. Each institution agrees to provide timely notice to the other in the event of any modification to the curriculum that might affect compatibility for admission and transfer of coursework. This agreement may be subject to change, with notification, if curriculum requirements change at either institution. Students admitted to the Quinsigamond Community College's Associates in Arts—Liberal Arts—Environmental Science Option program prior to such notification shall be admitted to the University of Massachusetts Lowell on the basis of this agreement. This agreement is conditional upon the Environmental, Earth and Atmospheric Science Department maintaining its' program approval from the Massachusetts Board of Higher Education.

ARTICULATION AGREEMENT
between the
Associates in Arts—Liberal Arts—Environmental Science Option
QUINSIGAMOND COMMUNITY COLLEGE
and the
Bachelor of Science in Environmental Science—Environmental Studies and Environmental Geoscience

UNIVERSITY OF MASSACHUSETTS LOWELL
College of Science

Signature Page

03/15/16
Gail Carberry, Ed.D — Date
President, Quinsigamond Community College

Jacqueline Moloney, Ed.D. — Date
Chancellor, University of Massachusetts Lowell

3/14/2016
Patricia Toney — Date
Vice President for Academic Affairs

3/28/16
Mark Hines — Date
Dean, College of Science

3/8/16
Leslie Bolinger Horton — Date
Dean, School of Math & Science

3/28/16
G. Nelson Eby — Date
Chair, Environmental, Earth & Atmospheric Sciences

03/07/16
Daniel de la Torre — Date
Coordinator of Transfer/Articulation

4/6/16
Gerald Durkin — Date
Associate Dean of Enrollment and Director of Transfer Admissions

3/8/16
Anita Soracco — Date
Assoc. Prof Environmental/Physical Science and Program Coordinator

Quinsigamond Community College
Associate of Arts—Liberal Arts—Environmental Science Option
To
University of Massachusetts Lowell
Bachelor of Science in Environmental Science—Environmental Studies & Environmental Geoscience Options

QCC		QCC credits	UML	Title	UML credits
Required courses for QCC Liberal Arts Environmental Science Option					
ENG 101	Composition I	3	ENGL.1010	College Writing I	3
ENG 102	Composition II	3	ENGL.1020	College Writing II	3
PHY 101	Physics I	4	PHYS.1030 / PHYS.1030L	General Physics I and Lab	4
CHM 105	General Chemistry I	4	CHEM.1210 / CHEM.1230L	Chemistry I & Lab	4
CHM 106	General Chemistry II	4	CHEM.1220 / CHEM.1240L	Chemistry II & Lab	4
BIO 107	Principles of Biology I	4	BIOL.1110 / BIOL.1170L	Principles of Biology I & Lab	4
BIO 108	Principles of Biology II	4	BIOL.1120 / BIOL.1180L	Principles of Biology II & Lab	4
MAT 122	Statistics	3	MATH.2830	Introduction to Statistics	3
MAT 123	College Mathematics I Precalculus	3	MATH.1210	Management Precalculus	3
MAT 124	College Mathematics II Trigonometry	3	MATH.1240	Pre-calc for science and engineering	3
*MAT 233	Calculus I	4	MATH.1310	Calculus I	4
**SCI 105	Integrated Science: Earth & Space	4	ENVI.1990	Environmental Science elective	4
**SCI 104	Atmospheric Science: Climate & Weather	3	ENVI.1990	Environmental Science elective	3
**SCI 110	Sustaining Earth's Environment	4	ENVI.1990	Environmental Science elective	4
QCC General Education Requirements					
SPH 101	Speech Communication	3	ENGL.2220	Oral Communication	3
PHI 131	Intro to Ethics	3	PHIL.2030	Introduction to Ethics	3
	Creative Arts Elective	3	*The student should consult the UML transfer dictionary to determine how the course will be credited.*		3
SOC 101	Intro to Sociology	3	SOCI.1010	Intro to Sociology	3
ECO ---	Economics elective Recommended course: ECO 216 or ECO 215	3	Recommended course: ECO 216 or ECO 215 to transfer as ECON.2010 and ECON.2020 respectively		3
HST ---	World History Survey	3	HIST.____ *The student should consult the UML transfer dictionary to determine how the course will be credited.*		3
	Total Credits QCC	68		Total Credits UML	68

*It is recommended that the student intending to transfer to UMass Lowell as an Environmental Science major complete Physics II for both the Environmental Studies and the Environmental Geoscience option as well as Calculus II for the Environmental Geoscience option. *All transferred math courses other than Calculus I, II and Statistics will be credited as free electives at UMass Lowell.*
**The Associate of Arts—Liberal Arts—Environmental Science Option at Quinsigamond Community College requires courses that do not have an equivalent at UMass Lowell. These courses should transfer as ENVI.1990 or GEOL.1990 (formally 87.199 and 89.199 respectively) electives and will fulfill the free elective category for the Bachelor of Science—Environmental Science at UMass Lowell. The courses may be re-evaluated on a case-by-case basis.