

ARTICULATION AGREEMENT

Between the

ASSOCIATE IN SCIENCE DEGREE – Computer Science:

Computer Science Transfer

PROGRAM

Of

Quinsigamond Community College

And the

UNIVERSITY OF MASSACHUSETTS LOWELL

College of Science

Spring 2019

This articulation agreement has been established between Quinsigamond Community College (QCC) and the University of Massachusetts Lowell's College of Science (UML). This agreement was developed with the intent of facilitating the success of students at Quinsigamond Community College (QCC) 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 Associates of Science Degree in Computer Science Transfer at Quinsigamond Community College while also transferring into Bachelor of Science in Computer Science Degree Program 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 Computer Science Degree program at the University of Massachusetts Lowell. Furthermore, such students who complete the described series of courses will receive an Associates of Science Degree in Computer Science Transfer at QCC, and may qualify for a 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' Associates of Science Degree in Computer Science Transfer at QCC.
2. To facilitate the completion of students' Bachelor of Science Degrees in various Computer Science Program 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 towards UML's Computer Science degree 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 appropriate Bachelor of Science in Computer Science Degree Program.

3. UML guarantees the transfer of credit as stipulated in the attached Program of Study. The University of Massachusetts Lowell may accept courses taken beyond the Associates Degree (60 credits); however, students are encouraged to contact the transfer advisor at the University of Massachusetts Lowell 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 this agreement are advised to take liberal arts courses that are recommended in this agreement for the best possible transfer experience.
5. Under the UML Massachusetts Advantage Plus Program, Massachusetts state community college students who have earned an Associate's degree in Computer Science Transfer from QCC and graduated with a 3.0 or better grade point average will receive a full-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, with the provision that the terms specified herein will continue to apply to students admitted from Quinsigamond Community College's Associate in Science Degree: Computer Science: Computer Science Transfer 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 Associate in Science Degree: Computer Science Transfer 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 Computer Science Department maintaining its' program approval from the Massachusetts Board of Higher Education.

Quinsigamond Community College				UMass Lowell			
Course number		Course name	Credits	Course number		Course name	Credits
Semester 1							
CSC	108	Computer Science I	4	COMP	1990	1000 level Elective	3
ENG	101	Composition I	3	ENGL	1010	College Writing I	3
MAT	233	Calculus I	4	MATH	1310	Calculus I	4
xxx	xxx	*Lab Science Elective	4	xxx	xxx	*Lab Science Elective	*4
<i>*Lab Science recommendations: PHY 105, BIO 107 or CHM 105. Students who take a Lab Science Elective that is not listed as a recommended course may not receive full credit at Umass Lowell.</i>							
			Total:				15
Semester 2							
CSC	109	Computer Science II	4	COMP	1010	Computing I	3
ENG	102	Composition II	3	COMP	1030L	Computing I Lab	1
MAT	234	Calculus II	4	ENGL	1020	College Writing II	3
xxx	xxx	*Lab Science Elective	4	MATH	1320	Calculus II	4
xxx	xxx	*Lab Science Elective	4	xxx	xxx	*Lab Science Elective	*4
<i>*Lab Science recommendations: PHY 105, BIO 107 or CHM 105. Students who take a Lab Science Elective that is not listed as a recommended course may not receive full credit at Umass Lowell.</i>							
			Total:				15
Semester 3							
CSC	208	Intro to Architecture and Assembly Language	4	COMP	2030	Assembly Language Programming	3
MAT	125	Discrete Mathematics	3	COMP	2030L	Assembly Language Prog. Lab	1
SPH	101	Speech Communication Skills	3	MATH	2190	Discrete Structures I	3
xxx	xxx	Humanities Elective	3	ENGL	2220	Oral Communication	3
xxx	xxx	Social Science Elective	3	xxx	xxx	Humanities Elective	3
xxx	xxx	Social Science Elective	3	xxx	xxx	Social Science Elective	3
			Total:				16
Semester 4							
CSC	211	Programming with Data Structures	4	COMP	1020	Computing II	3
CSC	212	Introduction to Software Engineering	4	COMP	1040L	Computing II Lab	1
MAT	237	Probability & Statistics for Engineers and Scientists	3	COMP	2010	Computing III	3
xxx	xxx	Social Science Elective	3	COMP	2010L	Computing III Lab	1
xxx	xxx	Social Science Elective	3	MATH	2990	Mathematics 2000 level elective *This credit will be applied as a Technical Elective in the Computer Science curriculum.	3
xxx	xxx	Social Science Elective	3	xxx	xxx	Social Science Elective	3
			Total:				14
			Grand total:				60
			Total:				15
			Grand total:				59

UMass-Lowell will allow QCC students to complete additional coursework, beyond the Computer Science-Transfer Associate degree curriculum, to maximize transferability. The following Natural Science w/ Lab courses are recommended as additional courses:

Quinsigamond Community College


UMass Lowell

Course number		Course name	Credits	Course number		Course name	Credits
BIO	108	Principles of Biology II	4	BIOL	1120	Principles of Biology II	3
CHM	106	General Chemistry II	4		1180L	Experimental Biology II	1
PHY	106	General Physics II	4	CHEM	1220	Chemistry II	3
					1240L	Chemistry II Lab	1
				PHYS	2450	Physical Properties of Matter	3
				PHYS	2450L	Physics III Lab	1


Signature Page



Luis Pedraja Date
President
Quinsigamond Community College



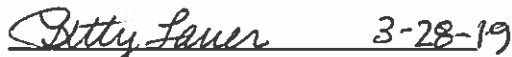
Jacqueline Moloney Date
Chancellor
University of Massachusetts Lowell



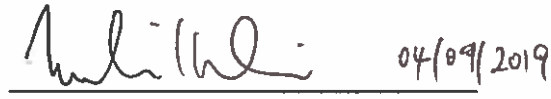
Nancy Schoenfeld Date
Interim Vice President of Academic Affairs
Quinsigamond Community College




Michael Vayda Date
Provost and Vice Chancellor
for Academic Affairs
University of Massachusetts Lowell




Betty Lauer Date
Dean, School of Business, Engineering
& Technology
Quinsigamond Community College



Nouredine Melikechi Date
Dean, Kennedy College of Sciences
University of Massachusetts Lowell




Hao Loi Date
Coordinator of Computer Science
Quinsigamond Community College



David Adams Date
Computer Science
Undergraduate Coordinator
University of Massachusetts Lowell



Daniel de la Torre Date
Coordinator of Transfer & Articulation
Quinsigamond Community College



Gerald Durkin Date
Associate Dean of Enrollment and
Director of Transfer Admissions
University of Massachusetts Lowell