ARTICULATION AGREEMENT

between
Benjamin Franklin Cummings Institute of Technology
Associate in Science
In
Computer Information Technology
and the

UNIVERSITY OF MASSACHUSETTS LOWELL
Bachelor of Science in Information Technology

Fall 2023

This articulation agreement has been established between Benjamin Franklin Cummings Institute of Technology (BFCIT) and the University of Massachusetts Lowell Kennedy College of Sciences and the Division of Graduate, Online & Professional Studies.

Students completing the Associate in Science in Computer Information Technology at BFCIT, in accordance with the minimum standards as set by the University of Massachusetts Lowell, will be admitted at the University as juniors. Students who do not meet the minimum standards will be considered for admission on a case-by-case basis.

OBJECTIVES:
1. To encourage the transfer of qualified students from BFCIT to UMass Lowell.
2. To award academic credit for courses completed for the associate degree toward the requirements for the bachelor's degree as stated in this agreement.
3. To provide students with accurate and clear information regarding the transfer of their coursework and credits to UMass Lowell.

TERMS OF THE ARTICULATION AGREEMENT:
1. UMass Lowell guarantees the acceptance of students who complete the associate degree program at BFCIT with an overall cumulative GPA of 2.0 or better to the Bachelor of Science in Information Technology program at UMass Lowell.
2. All bachelor's degree candidates are required to earn a minimum 2.0 cumulative grade point average (GPA), to present a minimum of 120 semester hours, fulfill the residency requirements, conform to the general regulations and requirements of the University, satisfy the regulations and academic standards of the colleges which exercise jurisdiction over the degrees for which they are matriculating, satisfy the curriculum requirements established by the departments or programs in their major, and complete the University's Core Curriculum requirements, which are listed within the program's curriculum outline.
3. This agreement acknowledges the transfer of credit as stipulated in the attached Program of Study and assumes the completion of the associate degree. UMass Lowell may accept courses taken beyond the associate degree (20 courses); however, students are encouraged to contact the advisor within the program department for approval.
4. UMass Lowell normally requires that 50% of the major is completed in residence.

5. Students transferring from BFCIT will be subject to all general education requirements at UMass Lowell as set forth in the University of Massachusetts Lowell catalog. Students interested in participating in this agreement should be advised to take the suggested liberal arts courses. These courses are required at UMass Lowell and students are advised to complete them as a part of their associate degree.

6. This document is based upon the evaluation of course descriptions presented to UMass Lowell. Courses listed in this agreement will transfer provided a grade of "C- "or better has been earned.

This agreement shall remain in effect for a period of three years from the date listed below, with the provision that the terms specified herein will continue to apply to students admitted from BFCIT, within one year of the expiration of the agreement. Each institution agrees to provide timely notice to the other in event of any modification to the curriculum that might affect compatibility for admission and transfer of coursework. This agreement may be subject to change, without notice, if curriculum requirements change at either institution. Students admitted to the associate degree program prior to such notification shall be admitted to the UMass Lowell, Bachelor of Science in Information Technology based on this agreement.

Attachments:

A-Transfer Guide
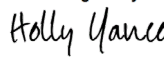B-BFCIT curriculum within the BSIT program

Semester and Year of Implementation: Fall 2023

SIGNATURES

University of Massachusetts Lowell

Joseph Hartman, Ph.D., P.E.
Provost and Vice Chancellor
Academic Affairs

Noureddine Melikechi, D.Phil.
Dean of Kennedy College of Sciences

Holly Yanco, Ph. D.
Chair
Computer Science
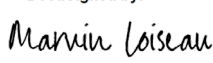
Nancy Ludwig, Ed.D.
Dean
Division of Graduate, Online & Professional Studies
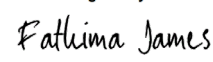
Yelena Rykalova, Ph.D.
Assistant Teaching Professor
BSIT Program Coordinator

Benjamin Franklin Cummings Institute of Technology

Aisha Francis, Ph.D.
President and CEO

Marvin J. Loiseau, Ed.D.
Dean of Academic Affairs

Fathima James, Ph.D.
Department Chair
Computer and Information Technology

UMass Lowell -GPS Division Articulation Contact:
Grace Young, MSW
Academic Program Manager-Haverhill Campus
Grace_Young@uml.edu
978-934-2656

Attachment A

Transfer Agreement (Guide)
For
Be a (BFCIT)-AS in Computer Information Technology) Graduate Transferring into
UMass Lowell's Bachelor of Science in Information Technology-Division of Graduate, Online and
Professional Studies-Online

BFCIT Courses		UMASS Lowell Equivalents	
EN 129 English for Non-Native Speakers **Or** EN130 College Composition 1	3	42.103 College Writing In-Internatl **Or** ENGL.1010 College Writing I	3
EN140 College Composition II	3	ENGL.1020 College Writing II	3
EN320 Technical Communication	3	MKTG.2100 Professional Communications	3
MA105 Technical Mathematics or higher **Strongly recommended:** MA 120 College Algebra & Trig (**required in UML BSIT program**)	3/4	No Transfer credits for MA 105 MATH.1205 Applied Precalculus ***	0 3?
MA120 College Algebra & Trigonometry or higher **Strongly recommended: MA 270 Elementary Statistics (required in UML BSIT program)**	3/4	 MATH.2830 Introduction to Statistics ***	 3?
HU/SS Social Science Elective	3	Appropriate Equivalent course	3
HU/SS Social Science Elective	3	Appropriate Equivalent course	3
CT121 Web Design I	3	INFO.2910 Introduction to HTML	3
CT140 Google IT Support Professional Certificate	6	INFO.1600 Introduction to Information Systems	3
CT143 Introduction to C++ Programming **Or** CT146 Intro to Java Programming **Strongly recommended: CT146 Intro to Java Programming**	4	INFO.2990 Info Tech 2000 level elective **Or** INFO.3010 JAVA Programming	3
CT165 Introduction to Networking	4	INFO.2750 Networking	3
CT212 System Maintenance and Management I	3	INFO.1990 Info Tech 1000 level elective	3
CT221 Enterprise Database Management	3	INFO.2990 Info Tech 2000 level elective	3
CT231 Linux System Administration	3	COMP.2990 Computer Sci 2000 level elect	3
CT233 Windows System Administration	3	INFO.2990 Info Tech 2000 level elective	3
CT250 Fundamentals in Python	4	INFO.2030 Introduction to Programming with Python	3
CT269 Cloud Computing and Visualization	4	INFO.3070 Introduction to Cloud Computing	3
CT365 Network Security	4	INFO.4570 Network Security	3
Excess credits from 6 and 4 credit courses		UNCR Credits -Free Electives	6
Total Credits	62		54-60

Note:
INFO Tech and COMP Sci electives that have been evaluated and are applicable to the associate degree from BFCIT will be credited towards the BSIT Elective requirements.
*** Transfer credits depend on students taking the recommended Math courses

Attachment B

Transfer Articulation Agreement/BS in Information Technology (General)Curriculum Program of Study and
Benjamin Franklin Cummings Institute of Technology, Associate Degree in Computer Information Technology transferring into
UMass Lowell, Bachelor of Science in Information Technology, Division of Graduate, Online & Professional Studies

	UML Course ID	University Breadth of Knowledge Requirements (12 courses/36-38 credits)	Credits	BFCIT Course ID	Benjamin Franklin Cummings Institute of Technology AS in Computer Information Technology	Credits
University Core	ENGL.1010	College Writing, I	3	EN 129/130	English -non-native Speakers/College Composition 1(3)	3
	ENGL.1020	College Writing II	3	EN 140	College Composition II (3)	3
	----.----	Arts & Humanities Course (AH) Ethics Course-choose from approved courses	3			
	----.----	Arts & Humanities Course (AH) Writing course-choose from approved courses	3			
	----.----	Arts & Humanities Course (AH)	3		HU/SS Elective (3)	3
		Social Sciences Course (SS)	3		HU/SS Elective (3)	3
	----.----	Social Sciences Course (SS)	3			
	----.----	Social Sciences Course (SS)	3			
	MATH.1205	Applied Pre-Calculus	3		MA 120 or higher **Strongly recommend:** MA 120 College Algebra & Trig (3/4)	3 ??
	----.----	Science with Lab Perspective (SCL) & Lab	3 or 3+1			
	----.----	Science with Lab Perspective (SCL) & Lab	3 or 3+1			
	----.----	STEM Perspective Course: INFO.1600-Intro to Info Systems	3	CT 140	Google IT Support Professional Certificate (6)	3
		Total Credits	**36-38**			**18**
		Information Technology Degree Requirements 14-15 courses/41 credits				
IT Requirements	INFO 2670	C Programming	3			
	INFO 2750	Networking	3	CT 165	Introduction to Networking	3
	INFO 2950	Principles of Information Security	3			
	INFO 2785	Intro to Operating Systems	3			
	MIST 3030	Database Management Systems	3			
	INFO 3600	Intro to Data Structures w/C	3			
	INFO 2380	Website Development	3			
	INFO 3120	Shell Scripting	3			
	INFO3070	Intro to Cloud Computing	3	CT 269	Cloud Computing and Visualization (4)	3
	MIST 4020	Systems Analysis and Design	3			
	INFO 4800	Project based Info Systems **OR**	6			
	INFO 4770	Project Based Info Systems I **AND**	3			
	INFO 4780	Project Based Info Systems Part II	3			
	MATH 2830	Intro to Statistics	3		Strongly recommend: MA 270 Statistics (3/4)	3 ??
	MATH 2195 MATH.2190	Discrete Structures for IT **OR** Discrete Structures	3			
		Total Credits	**42**			9
		Information Technology Electives (7 courses/21 credits) *				
IT Electives		Information Technology Elective	3	CT 121	Web Design (3)	3
		Information Technology Elective	3	CT 143	Intro to C++ Programming (4) **OR** CT 146 **(see below)**	
		Information Technology Elective	3	CT 212	Systems Maintenance and Management (3)	3
		Information Technology 3000 / 4000 Elective	3	CT 365	Network Security (4)	3
		Information Technology 3000 / 4000 Elective	3	CT 146	Intro to Java Programming (4) **Strongly Recommended**	3
		Information Technology 3000 / 4000 Elective	3			
		Information Technology 3000 / 4000 Elective	3			
	* IT Electives may be used towards certificate when possible					
		Total Credits	**21**			**12**

			Free Electives (7 courses/21 credits) **				
Free Electives			Free Elective	3	CT 221	Enterprise Database Management (3)	3
			Free Elective	3	EN 320	Technical Communications (3)	3
			Free Elective	3	CT 231	Linux System Administration (3)	3
			Free Elective	3	CT 233	Windows System Administration (3)	3
			Free Elective	3	CT250	Fundamentals of Python (4)	3
			Free Elective	3		UNCR Credits (3 credits from CT 140)	3
			Free Elective	3		UNCR Credits (from 4 credit courses)	3
		**Free Electives may be used towards a minor when possible					
			Total Credits	120			21
			Total Program Credits			Total Transfer Credits***	54-60

***Total Transfer Credits depend on whether or not students take the recommended Math courses.