ARTICULATION AGREEMENT

Between the

Associate in Science Degree in Computer & Information Sciences: Information Technology Option

Of

Northern Essex Community College

and the

Bachelor of Science in Computer Information Systems

Of

Lyndon State College

Fall 2016

This articulation agreement has been established between Northern Essex Community College and Lyndon State College. This agreement was developed with the intent of facilitating the transfer process from Northern Essex Community College (NECC) to the established Bachelor Degree Completion program offered by Lyndon State College (LSC) on the Lawrence campus of NECC. These agreements will serve as a guideline for those who desire to transfer from Northern Essex Community College into the Bachelor of Science in Computer Information Systems offered by Lyndon State College.

Students completing the AS Computer & Information Sciences degree with the Information Technology (IT) Option, in accordance with the minimum standards as set in this agreement by Lyndon State College, will be admitted to Lyndon State as juniors. Such students will qualify for the Vermont In-State tuition rate for courses taken through Lyndon State. Students who do not meet the aforementioned minimum standards will be considered for admission on a case-by case basis.

OBJECTIVES:

1. To encourage the transfer of qualified students from NECC to a LSC Bachelor Completion Program situated on the Lawrence campus of NECC.
2. To award academic credit for courses completed at NECC that meet the terms of the Associate in Science degree as stated in the agreement for transfer to the Bachelor in Computer Information Systems.
3. To provide effective and concise guidelines for students intending to transfer to a Bachelor Completion Program at Lyndon State College. Students will have accurate and clear information regarding the transfer of their coursework.
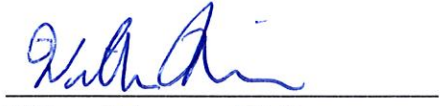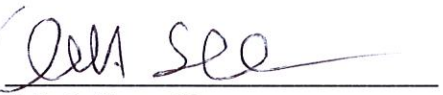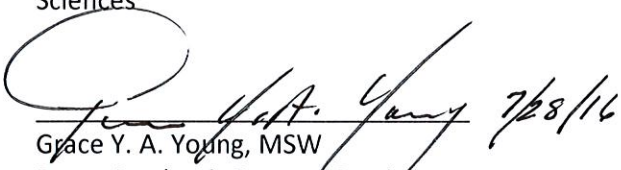
TERMS OF THE TRANSFER ARTICULATION AGREEMENT:

1. Lyndon State College guarantees the acceptance of students who complete the Computer & Information Sciences Associates degree with the IT option and have an overall GPA of 2.0 or higher to the Bachelor of Science in Computer Information Systems.
2. Lyndon State College guarantees the transfer of credit as stipulated in the attached program of study. This agreement assumes the completion of the Associate Degree and completion of the courses listed on the attached Program of Study. Lyndon State College requires that a minimum total of 120 credits must be completed to earn a Bachelor degree with at least 30 credits awarded from Lyndon State College. LSC agrees to accept up to 90 transfer credits from NECC into the program.
3. NECC students who have also completed the Mass Transfer Block will have the LSC General Education Unit requirements waived.
4. This document is based upon the evaluation of course descriptions presented to Lyndon State College. Courses as listed in this agreement will transfer to LSC provided a grade of C- or higher was earned.
5. Northern Essex Community College students interested in participating in this agreement should be advised to take suggested math courses as well as liberal arts electives that fulfill the Mass Transfer Block whenever possible. These recommended courses are listed on the program of study sheet.

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 Northern
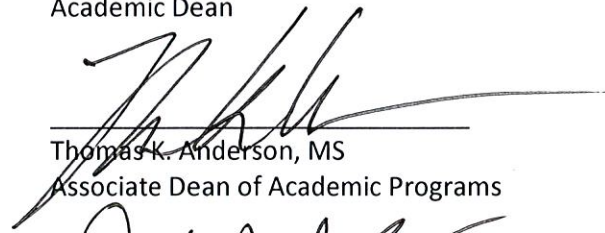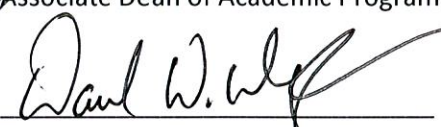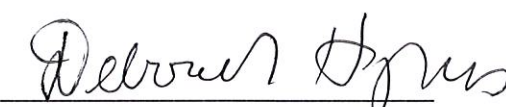
Essex Community College's Associate in Science Computer & Information Sciences, IT option within one year of the expiration of the agreement. Each institution agrees to provide timely notice to the other in the event of any modification to the curriculum that might affect compatibility for admission and transfer of coursework. This agreement may be subject to change, with notification, if curriculum requirements change at either institution. Students admitted to the NECC's Associate in Science degree program prior to such notification shall be admitted to LSC on the basis of this agreement.

Signatures

Northern Essex Community College

Lane A. Glenn, PhD
President

William Heineman, Ed. D
Vice President, Academic and Student Affairs

Kelly Sullivan, J.D.
Dean, Technology Arts and Professional Studies

Michael Penta, MS
Department Chair, Computer and Information Sciences

Grace Y. A. Young, MSW   7/28/16
Dean, Academic Support Services,
Articulation and Transfer

Lyndon State College

Joseph A. Bertolino, PhD
President

Nolan T. Atkins, PhD
Academic Dean

Thomas K. Anderson, MS
Associate Dean of Academic Programs

Daniel Daley, Chair, Math and Computer
Science

Deborah Hughes, Professor, Math and
Computer Science

Lyndon State College
BS Computer Information Systems with a Concentration in Information Technology

In order to graduate from Lyndon State College with a Bachelor of Science in Computer Information Systems, students must have a **minimum of 120 credits (30 credits hours must be from Lyndon State College)**. Students who graduate with an Associate Degree in Computer & Information Sciences: Information Technology from Northern Essex Community College may enter the Bachelor of Science in Computer Information Systems program. All college-level courses from an accredited institution will be accepted by Lyndon State College (non-credit courses and remedial/developmental courses will not be accepted) and applied where possible to the credits required to reach the 120 credits necessary to complete a bachelor's degree.

Year 1 at NECC			Lyndon Equivalent		
First Semester	*Course Name*	*Credits*	*First Semester*	*Course Name*	*Credits*
CTN 110	Intro to Information Technology	3	Elective	Program Elective	3
CIS 112	Integrated Computer Applications	4	CIS 1050	Computer Operation Systems and Spreadsheets	1
CIS 114	Help Desk and Soft Skills	3	CIS 2370	Help Desk Support	3
ENG 101	English Composition I	3	ENG 1081	Writing and Reading Strategies for College	3
MAT 120 or MAT 130	College Algebra or College Algebra and Trig	3/4	MAT 1020	Intermediate Algebra	3
		16/17			**13**
Second Semester	*Course Name*	*Credits*	*Second Semester*	*Course Name*	*Credits*
CIS 113	Database Management	4	CIS 1060	Introduction to Databases	1
CIS 130	Web Development I	4	CIS 1090	Problem Solving with Computers	3
ENG 102	English Composition II	3	ENG 1082	Academic Inquiry	3
MAT 140	Advanced Algebra & Trig	4	MAT 1060	Problem Solving with Mathematics	3
		15			**10**
SUMMER SESSION I					
CIS 140	Introduction to Computer Science	4	Elective	Program Elective	3
Social Science		3		Appropriate Equivalent	3
Humanities Elect		3		Appropriate Equivalent	3
		10			**9**
Year 2 at NECC			Lyndon Equivalent		
Third Semester	*Course Name*	*Credits*	*Third Semester*	*Course Name*	*Credits*
CIS 115	Information Security	4		Elective	4
CIS 121	Introduction to Operating Systems	4	CIS 2101	Introduction to Unix	1
CIS 141	Computer Science I	4	NECC	Prerequisite for CIS 240	
CTN 201	Computer Networks I	3	CIS 3110	Networks	3

Social Science		3		Appropriate Equivalent	3
		18			**10**
Fourth Semester	*Course Name*	*Credits*	**Fourth Semester**	*Course Name*	*Credits*
Program Elective: **Strongly Recommended** CIS 210	Advanced Database Management	4	CIS 2330	Database Systems	3
Program Elective: **Strongly Recommended** CIS 240	C++ Programming	4	CIS 2032	C++ Programming	3
		8			**6**

Choose courses from the list of additional course to be taken at NECC

Additional Courses to be taken at NECC			Lyndon Equivalent		
MGT 201	Principles of Management	3	BUS 2015	Fundamentals of Management	3
Transfer Block	**1 Additional** Behavioral and/or Social Sciences	3	Gen Ed	Self and Social Interactions or Cross Cultural Awareness	3
Transfer Block	**2 Additional** Humanities and/or fine Arts	6	Gen Ed	The Human Experience: Written Language or The Human Experience: Art and Design	6
Transfer Block	Natural or Physical Science	7	Gen Ed	Natural Resources and Sustainability or Scientific and Empirical Reasoning	7
		19			**19**

Lyndon State College Year 3

Fifth Semester	*Course Name*	*Credits*	**Sixth Semester**	*Course Name*	*Credits*
MAT 2210	Sets, Logic, and Proof	3	BUS 2080	Organizational Communication in Business	3
CIS 2112	Computer Hardware and Organization	3	CIS 2850	System Administration Essentials	4
CIS 2279	Introduction to Perl Programming	1	CIS 3120	Programming Internet and Web Applications Part II	3
CIS 2290	Introduction to Python	1			
		8			**10**

Lyndon State College Year 4

Seventh Semester	*Course Name*	*Credits*	**Eighth Semester**	*Course Name*	*Credits*
CIS 3750	Cloud Computing	4	CIS 4120	System Analysis & Design	3
CIS 4060	Advanced Web Tools	3	CIS 4810	Internship in Computer Science	3
CIS 4040	Computer Security	3	CIS 4950	CIS Capstone	3
CIS 4330	Advanced Networks	4	CIS 4350	Advanced Computer Security	4
		14			**13**

Total NECC Credits	**86/87**
Total LSC Credits	**45**
Total Credits	**131/132**