

ARTICULATION AGREEMENT

Between the

Associate in Science Degree: Medical Laboratory
Technology Program

of

Northern Essex Community College

and the

UNIVERSITY OF MASSACHUSETTS LOWELL
Bachelor of Science: Clinical Laboratory Sciences

Spring 2013

This articulation agreement has been established between Northern Essex Community College and the University of Massachusetts Lowell, College of Health Sciences. This agreement was developed with the intent of facilitating the transfer process from Northern Essex Community College (NECC) to the University of Massachusetts Lowell. These agreements will serve as a guideline for those who desire to transfer from NECC into the Clinical Laboratory Sciences: Clinical Sciences Option at the University of Massachusetts Lowell.

Up to 5 students per year completing the AS in Medical Laboratory Technology at Northern Essex Community College, following the described course curricula in the agreement and in accordance with the minimum standards as set in this agreement by the Clinical and Laboratory Sciences department at the University of Massachusetts Lowell, will be guaranteed admittance to that department at the University of Massachusetts Lowell as juniors in the Clinical Sciences option of the Clinical Laboratory Sciences Program. Students who do not meet the aforementioned minimum standards will be considered for admission to the University of Massachusetts Lowell on a case-by-case basis.

OBJECTIVES:

1. To encourage the transfer of qualified students from Northern Essex Community College to the University of Massachusetts Lowell.
2. To award academic credit for courses completed at Northern Essex Community College that meet the terms of the AS Medical Laboratory Technology degree as stated in this agreement for transfer to the Bachelor of Science Clinical Laboratory Sciences Degree at the University of Massachusetts Lowell.
3. To provide effective and concise guidelines for students seeking to transfer to the University of Massachusetts Lowell. Students will have accurate and clear information regarding the transfer of their coursework from NECC to the Bachelor's Degree at the University of Massachusetts Lowell.

TERMS OF THE TRANSFER ARTICULATION AGREEMENT:

1. The University of Massachusetts Lowell guarantees the acceptance of students who complete the AS Medical Laboratory Technology program at Northern Essex Community College with an overall GPA of 3.5 or higher to the Bachelor of Science Laboratory Sciences: Clinical Sciences Option. As stated above, students who do not meet the 3.5 GPA will be considered for admission to the University of Massachusetts Lowell on a case-by-case basis.
2. The University of Massachusetts Lowell guarantees the transfer of credit as stipulated in the attached Programs of Studies. This agreement assumes the completion of the Associate Degree and completion of the courses listed on the attached Program of Study. The University of Massachusetts Lowell may require that 50% of the major is completed in residence. The University of Massachusetts Lowell may accept courses taken beyond the Associate Degree (60 credits); however, students are encouraged to contact the transfer advisor at the University of Massachusetts Lowell for approval.
3. Northern Essex 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. Students meeting the requirement of the MASS Transfer Block will be exempt from 35 credits of University general education

requirements, but will be required to meet any specific College of Health Sciences general education requirements, not to exceed two courses.

4. This document is based upon the evaluation of course descriptions presented to the University of Massachusetts Lowell. Courses eligible for credit transfer must meet all University of Massachusetts Lowell transfer admission requirements as outlined in the Academic catalogue which can be accessed online at <http://www.uml.edu/Catalog/Undergraduate/Admissions/Transfer-Students.aspx>. When appropriate, the requirements of the MASS Transfer Block will be honored.

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 AS Medical Laboratory Technology degree 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 Northern Essex Community College's AS Medical Laboratory Technology degree 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 NECC Medical Laboratory Technology Department maintaining its' program approval from the Massachusetts Department of Higher Education.

Signatures

Northern Essex Community College

Lane A. Glenn, Ph. D
President

William Heineman, Ed. D
Vice President, Academic Affairs

Mary Farrell, MS
Dean, Health Professions

Stacy Adams, M.Ed.
Coordinator, Medical Laboratory
Technology Program

Grace Y. A. Young, MSW
Dean, Academic Advising, Articulation,
Transfer, Testing & TRiO

University of Massachusetts Lowell

Martin T Meehan
Chancellor

Ahmed Abdelal, Ph.D.
Provost

Shortie McKinney, Ph.D.
Dean, College of Health Sciences

Eugene Rogers, Ph.D.
Department Chair and Professor,
Clinical Laboratory & Nutritional
Sciences

Gerald J. Durkin, M.Ed.
Associate Dean of Enrollment
and Director of Transfer Admissions

NORTHERN ESSEX COMMUNITY COLLEGE
Associate in Science
Medical Laboratory Technology Program

NECC Course Requirements

UMass Lowell Equivalent

BIO 121 Anatomy & Physiology I	4	35.101 Anatomy & Physiology I 35.103 A&P I Lab	3 1
BIO 122 Anatomy & Physiology II	4	35.102 Anatomy & Physiology II 35.104 A&P II Lab	3 1
BIO 220 Microbiology	4	35.211 Basic Microbiology 35.213 Basic Microbiology Lab	3 1
CLS 101 Intro to CLS	3	36.273 Intro to CLS	2
2 Clinical Practicum	4	36.241/36.243 Clinical Lab Theory & Clinical Lab Theory Lab	4
CLS 102 Urinalysis	2	35.199 Free Elective	2
CLS 103 Immunology/Serology	2	35.199 Free Elective	2
CLS 104 Hematology	3	35.199 Free Elective	3
CLS 203 Clinical Microbiology	4	35.299 Free Elective	4
CLS 204 Clinical Chemistry 1	2	35.299 Free Elective	2
CLS 207 Clinical Chemistry 2	2	35.299 Free Elective	2
ENG 101 English Composition I	3	42.101 College Writing I	3
ENG 102 English Composition II	3	42.102 College Writing II	3
PSY 101 Intro to Psychology	3	47.101 General Psychology	3
SOC 101 Intro Sociology (Social Sci Elective)	3	48.101 Intro to Sociology	3
MAT 130 College Algebra & Trigonometry (Math Elective)	3	92.121 Management Pre-calculus	3
Humanities Elective (from list)	3	Arts and Humanities Elective	3
Behavioral Science Elective	3	Social Science Elective	3
Strongly suggested courses outside of the MLT curriculum:			
CHM 121 General Chemistry I OR BIO 115 Physiological Chemistry 1	4	35.251 Physiological Chem I 35.253 Phy Chem I Lab	3 1
CHM 201 Introduction to Organic & Biochemistry	4	35.252 Physiological Chem II 35.254 Phy Chem II Lab	3 1
MAT 125 Statistics	4	92.283 Statistics	3

Students are strongly encouraged to meet with the Clinical Lab Sciences Articulation Advisor, Dr. Arlee Dulak, at least one semester before transferring to plan future course work at UML.

College of Health Sciences

Bachelor of Science - Clinical Laboratory Sciences: Clinical Science Option

Freshman Year/Fall Semester

			Cr.				Cr.
BI 121	35.101	A&P I	3	BI 122	35.102	A &P II	3
	35.103	A&P I Lab	1		35.104	A&P II Lab	1
ENG 101	42.101	Col. Writing I	3		36.273	Intro to CLS	2
PSY 101	47.101	Psychology	3	ENG 102	42.101	Col. Writing II	3
SOC3321	48.101	Sociology	3	MAT120	92.121	Manag. Calc	3
MAT125	92.283	Statistics	3			Arts/Humanities	3
		Total	16			Total	15

Freshman Year/Spring Semester

Sophomore Year/Fall Semester

			Cr.				Cr.
BI 220	35.211	Basic Microbio	3	<i>Pre Summer</i>	36.341	<i>Organic Chem</i>	3
	35.213	Micro Lab	1	<i>Pre Summer</i>	36.343	<i>Org. Chem Lab</i>	1
CHM 121	35.251	Phy Chem I	3	CHM 201	35.252	Phy Chem II	3
	35.253	Phy Chem I Lab	1		35.254	Phy Chem II Lab	1
CLS 102	35.199	Free Elective	2	Clin. Prac.	36.241	CLT + Lab	4
		Arts/Humanities	3			Soc. Sci. Gen Ed	3
		Total	13			Total	17

Sophomore Year/Spring Semester

Junior Year/Fall Semester

			Cr.				Cr.
	36.321	<i>Clin Hematology</i>	3		36.311	<i>Med. Bacteriology</i>	3
CLS 103	35.199	Free Elective	2	CLS 104	35.199	Free Elective	3
	36.350	<i>Human Biochem</i>	3		36.331	<i>Clin Immunology</i>	3
	36.361	<i>Instrumentation</i>	3		36.351	<i>Clin Chemistry I</i>	3
	36.363	<i>Instr. Lab</i>	2		36.353	<i>Clin Chemistry I Lab</i>	2
		Arts/Humanities	3		36.493	<i>Directed Studies</i>	3
		Total	16			Total	17

Junior Year/Spring Semester

Senior Year/Fall Semester

			Cr.				Cr.
	36.452	<i>Clin Chemistry II</i>	3		35.435	<i>Genetics</i>	3
	36.483	<i>Sr Research</i>	2			<i>Science Spec.</i>	2
		<i>Science Spec.</i>	3	CLS 203	35.299	Free Elective	4
		<i>Science Spec.</i>	3	CLS 204	35.299	Free Elective	2
		<i>Science Spec.</i>	3	CLS 207	35.299	Free Elective	2
		Total	14			Total	13

Senior Year/Spring Semester

Color Coding:

Courses completed at NECC and transferred to UML

Suggested courses to be completed at NECC prior to joining UML

Courses to be completed at UML

Recommended Transferrable Arts and Humanities Courses – NECC/UML

NECC Course Title	NECC Course #	UML Course #	UML Course Title
Short Story/Lit	LIT 263	42.212	Short Story
West Lit I OR World Lit I	LIT 221, LIT 271	42.201	Great Books of Antiquity
Lit: The Novel OR World Literature II	LIT 264, LIT 272	42.202	Great Books Modern
Dramatic Literature	LIT 215	42.210	Drama
Poetry	LIT 262	42.211	Poetry
Interpersonal Communication	COM 112	42.222	Oral Communication
Lit Women's Lives OR Women In Mythic Lit	LIT 243 LIT 252	42.240	Literature and Women
Lit: Women's Lives	LIT 243	42.243	Contemporary Women Writers
Bible as Literature	LIT 223	42.250	The Bible as Literature
Acting	THE 111	59.261	Acting I
Shakespeare	LIT 213	42.267	Intro to Shakespeare
British Lit I	LIT 211	42.291	History of English Lit I
American Lit I	LIT 201	42.294	History American Lit I
American Lit II	LIT 202	42.295	History of American Lit II
Children's Literature	LIT 267	42.298	Children's Literature
Early Civilization	HIS 211	43.101	Classical Civilization
Western Civ I,	HIS 111	43.105	Western Civilization I
World Civ I	HIS 121	43.107	World Civilization I
World Civ II	HIS 122	43.108	World Civilization II
Western Civ II OR Contemporary World	HIS 112 HIS 221	43.106	The Modern World
US History I	HIS 101	43.111	U.S. History to 1877
US History II	HIS 102	43.112	U.S. History since 1877
Intro To Philosophy	PHI 101	45.201	Intro to Philosophy
Intro to Logic OR Practical Logic	PHI 120 PHI 121	45.202	Intro Logic & Critical Reasoning
Ethics	PHI 110	45.203	Introduction to Ethics

****No more than 2 courses can be from the same department****