

TRANSFER ARTICULATION AGREEMENT

North Shore Community College

Associate of Science

Physical Therapist Assistant

and

University of Massachusetts Lowell

Bachelor of Science

Exercise Science-Clinical Option

and

Exercise Science – Exercise and Fitness Management Option

Fall 2019

Statement of Purpose

This agreement is formed to enable the smooth transfer of North Shore Community College (NSCC) graduates of the Physical Therapist Assistant program to the University of Massachusetts Lowell (UML) Bachelor of Science in Exercise Science.

The purpose of this agreement is to provide a smooth transition between the two academic programs by identifying all required and equivalent courses for the relevant programs at each institution and facilitating credit transfer and guarantee of admission for students who meet the agreed upon criteria.

Programs/courses included in this agreement

- A. The North Shore Community College Physical Therapist Assistant Associate in Science Degree Program will be accepted in part toward the Bachelor of Science in Exercise Science at the University of Massachusetts Lowell.
- B. Specified coursework included in the Physical Therapist Assistant Associate in Science Degree will be accepted and applied towards required coursework and electives in the Exercise Science Bachelor of Science Degree as stipulated in the attached equivalency chart.

Terms and conditions of Transfer:

- A. Students who graduate from the Physical Therapist Assistant Associate in Science degree with a cumulative and overall science grade point average (GPA) of 2.7 or higher will be guaranteed admission into the Exercise Science Bachelor of Science major under the terms of this agreement.
- B. All coursework from the sending program must be completed with grades of "C-" or better in order to transfer.
- C. Regardless of how many additional general education requirements are transferred, students will complete a minimum of 60 credits of the Exercise Science Program at the University of Massachusetts Lowell.
- D. North Shore Community College students who do not meet the aforementioned standards will be considered for admission to the University of Massachusetts Lowell on a case-by-case basis.

Communication and advising is central to effective transfer/articulation. Recognizing this:

- A. The institutions agree to include information about this articulation agreement in relevant publications for the purpose of promotion and advising.
- B. The institutions agree to jointly develop appropriate transfer guides and make these available to students and advisors as appropriate;
- C. The institutions agree to notify each other promptly, in writing, of substantive changes in curricula that might affect the Agreement.

Implementation and Length of agreement

- A. North Shore Community College and University of Massachusetts Lowell agree that this agreement becomes effective Fall, 2019.
- B. This agreement will remain in effect for the 3 years from the date above unless terminated or amended by either party with prior written notice.
- C. This agreement does not preclude either college from entering into similar agreements with other institutions of higher education.

APPENDIX A

NSCC AS PHYSICAL THERAPIST ASSISTANT TO UML BS EXERCISE SCIENCE

Section I, AS Physical Therapy Transfer Credit		Credit
NSCC	UML	
CMP 101 English Composition I	ENGL.1010 College Writing I	3
English Composition II- <i>Must be CMP 102, CMP 103 CMP 104 CMP 114 or CMP 126 to satisfy at UML</i>	ENGL.1020 College Writing II	3
BIO 103 Anatomy & Physiology I	HSCI.1010 & 1030 Anatomy & Physiology I w/ Lab	4
BIO 104 Anatomy & Physiology II	HSCI.1020 & 1040 Anatomy & Physiology II w/ Lab	4
Humanities Elective	Humanities Elective	3
PSY 102 Introduction to Psychology	PSYC.1010 Intro to Psychological Science	3
PTA 201/202, PTA 104/105, PTA 117/118, PTA 212/213 and PTA 220	Free Electives	15
	Total Credits Transferred	35

Section II, General Education Requirements, Additional possible credits transferable, may be taken at North Shore Community College, maximum of 25 credits

MAT 143 Statistics	MATH.2830 Introduction to Statistics	3
CHE 101 Intro Chem I or CHE 103 Gen Chem I *	CHEM.1110 & 1130L Gen Chem I w/ Lab or CHEM 1210 & 1230L Chem I w/ Lab <i>Will Satisfy the Physiological Chem requirement</i>	4
PHY 101 Intro Phys I or PHY 201 Physics I*	PHYS.1030 & 1030L Gen Physics I w/ Lab or PHYS.1410 & PHYS 1410L Physics I w/ Lab	4
CHE 102 Intro Chem II or CHE 104 Gen Chem II*	CHEM.1120 & CHEM 1140L Gen Chem II w/ Lab or CHEM.1220 & CHEM 1240L Chem II w/ Lab <i>Will Satisfy the Physiological Chem requirement</i>	4
PHY 102 Intro Phys II or PHY 203 Physics III*	PHYS.1040 & 1040L Gen Physics II w/ Lab or PHYS.1440 & 1440L Physics II w/ Lab	4
SOC 106 Intro to Sociology	SOCI.1010 Intro to Sociology	3
Humanities Elective	Arts/Humanities Elective	3
Humanities Elective	Arts/Humanities Elective	3
NUT 102 Nutrition for Healthy Living	NUTR.2060 Human Nutrition	3
PSY 112 Intro to Gerontology	PSYC.2990 Psych 2000 Level Elective	3
PSY 124 Abnormal Psychology	PSYC.2720 Abnormal Psychology	3

*CHE I & II or PHY I & II Required to be completed prior to transfer to

University of Massachusetts Lowell

Physics is required for the Clinical Option, please discuss with a UML Exercise Science advisor.

Section III, Additional UML Courses Required in Major for BS Exercise Science

Clinical Option	Credits	Exercise and Fitness Management Option	Credits
PUBH.1021 Intro to Public Health	3	PUBH.1021 Intro to Public Health	3
PSYC.2600 Child & Adolescent Development	3	PSYC.2600 Child & Adolescent Development	3
EXER.2170 Research Methods in Exercise Science	3	EXER.2170 Research Methods in Exercise Science	3
EXER.2020 Introduction to Exercise Science	3	EXER.2020 Introduction to Exercise Science	3
EXER.3050 & 3070 Exercise Physiology w/ Lab	5	EXER.3050 & 3070 Exercise Physiology w/ Lab	5
EXER.4200 Advanced Study in Exercise Science	3	EXER.4200 Advanced Study in Exercise Science w/ Lab	3
HSCI.3060/PSYC.3600 Intro to Geront/ Adult Development and Aging	3	HSCI.3060 Introduction to Gerontology	3
HSCI.3500 Human Biochemistry	3	PUBH.2050 Social Determinants of Health	3
EXER.3010 EP Junior Seminar	1	PUBH.3210 Healthcare Systems	3
EXER.3150 & 3170 Kinesiology w/ Lab	4	PUBH.4030 Mind, Body and Health	3
EXER.3560 Pharmacology	3	EXER.3350 Sport and Exercise Biomechanics	4
EXER.4060 & 4080 Foundations of Strength and Conditioning w/ Lab	5	EXER.4300 Exercise in Medicine	3
EXER.4120 Clinical Practicum	4	NUTR.3720 Obesity and Weight Control	3
EXER.4180 Senior Seminar	3	BIOL.1220 & 1240L Biology for Health Sciences w/ Lab	4
EXER.4220 Exercise Prescription and Programming	3	ACCT.2010 Accounting/Financial	3
EXER.4240 & 4260 Motor Control and Learning w/ Lab	4	ENTR.3000 Principles of Innovation and Entrepreneurship	3
<i>Remaining General Education Requirements</i>		MKTG.2010 Marketing Principles	3
		MGMT.3010 Organizational Behavior	3
		POMS.2010 Introduction to Business Analytics	3
		<i>Remaining General Education Requirements</i>	
		Minimum Total Required Credits to be Completed at UMass Lowell	60

Additional information

Community College students who have completed two semesters may not be required to take EXER.1010 at UMass Lowell, although students may need to make up the 1 credit if needed- please discuss with a UML Exercise Science advisor.

North Shore Community College & University of Massachusetts Lowell
 Articulation from AS Physical Therapist Assistant to
 BS Exercise Science Equivalency Table

Course	NSCC Course Name	Cr	Course	UML Course Name	Cr
BIO 211	Anatomy and Physiology I	4	HSCI1010/1030	Anatomy & Physiology I w/ Lab	4
CMP 101	Composition I	3	ENGL 1010	College Writing I	3
PTA 101	Introduction to Physical Therapy	4	EXER 2990	ES 2000 Level elective	
PTA 103	Therapeutic Massage	1	EXER 2990	ES 2000 Level elective	
PTA 104/105	PTA Procedures w/ Lab	3	EXER 2990	ES 2000 Level elective	
PTA 108	Kinesiology Lab	1	EXER 2990	ES 2000 Level elective	
PTA 109	Kinesiology	1	EXER 2990	ES 2000 Level elective	
PTA 113	Pathophysiological Conditions I	2	EXER 2990	ES 2000 Level elective	
BIO 212	Anatomy and Physiology II	4	HSCI1020/1040	Anatomy & Physiology II w/ Lab	4
PTA 114	Pathophysiological Conditions II	2	EXER 2990	ES 2000 Level elective	
PTA 117	Therapeutic Exercise I Lab	1	EXER 2990	ES 2000 Level elective	
PTA 118	Therapeutic Exercise I	2	EXER 2990	ES 2000 Level elective	
PTA 201/202	Physical Agents w/ Lab	3	EXER 2990	ES 1000 Level Elective	
PTA 203	Neurology for Physical Therapist Assistant	2	EXER 2990	ES 2000 Level elective	
PTA 204	Clinical Anatomy I Lab	1	EXER 2990	ES 2000 Level elective	
PTA 205	Clinical Anatomy I	1	EXER 2990	ES 2000 Level elective	
PTA 112	Physical Therapist Assistant Clinical Experience I	2	EXER 2990	ES 2000 Level elective	
CMP 102, 103, 104, 114 or 126	Composition II Elective*	3	ENGL 1020	College Writing II	3
Humanities Elective(s)		3		Arts/Humanities Elective	
PSY 102	Introduction to Psychology	3	PSYC 1010	Intro to Psychological Science	3
PTA 212/213	Therapeutic Exercise II w/ Lab	3	EXER 2990	ES 2000 Level elective	
PTA 214	Clinical Anatomy II Lab	1	EXER 2990	ES 2000 Level elective	
PTA 215	Clinical Anatomy II	1	EXER 2990	ES 2000 Level elective	
PTA 217	Pediatric Therapy for the PTA	1	EXER 2990	ES 2000 Level elective	
PTA 220	Current Topics in Physical Therapy	3	EXER 2990	ES 2000 Level Elective	
PTA 206	Physical Therapist Assistant Seminar	1	EXER 2990	ES 2000 Level elective	
PTA 208	Physical Therapist Assistant Clinical Experience II	8	EXER 2990	ES 2000 Level elective	
PTA 210	Case Studies in Physical Therapy	2	EXER 2990	ES 2000 Level elective	

* Please note not all North Shore Community College CMP Composition II courses will satisfy the College Writing II requirement at UMass Lowell.

