



Northeastern University

College of Professional Studies

Articulation Agreement

Quinsigamond Community College A.A. Liberal Arts – Biology to Northeastern University College of Professional Studies BS Biotechnology

1. This Agreement states and memorializes opportunities QCC students may have to transfer credits and experiences earned in the QCC Liberal Arts Biology A.A. program into the NU-CPS Biotechnology B.S. degree.
2. QCC students who successfully complete the Liberal Arts Biology A.A. program are eligible for admission into the CPS Biotechnology B.S. degree, subject to and in accordance with the limitations and procedures set forth in this Agreement.
3. QCC graduates who successfully complete the Liberal Arts Biology A.A. program with a minimum overall grade point average of 2.5 on a 4.0 scale are eligible for admission to CPS to pursue the Biotechnology B.S. degree. CPS retains the right to make the final decision on each student's application.
4. To be considered for the College of Professional Studies, Quinsigamond Community College students must:
 - a. Submit a completed online application and required supporting credentials to the College of Professional Studies by the posted term entry deadline.
 - b. At its discretion, CPS will evaluate courses with a grade of C or better for transfer credit toward the baccalaureate degree. Courses designated as remedial or developmental are non-transferable. Science and technology courses completed more than seven years prior to the application date may be considered for transfer at the discretion of the CPS program director.
 - c. The College of Professional Studies reserves the right to rescind an offer of acceptance if student is no longer considered in good academic standing or disciplinary sanctions occur between the times of acceptance to matriculation.
5. Upon acceptance into the Biotechnology B.S. degree, QCC graduates are subject to all requirements and other published standards issued by CPS, as may be amended from time to time in the sole discretion of CPS.
6. As a member of the Servicemembers Opportunity Colleges (SOC), CPS agrees to award up to 75% of transfer credits toward a baccalaureate degree and 70% toward a master's degree for active service members.

7. QCC shall permit CPS to obtain written verification, if necessary, from QCC of an applicant's eligibility for course credit transfer under this Agreement.
8. This Agreement shall continue until terminated by either party. Either institution may terminate this Agreement, with or without cause, provided that the terminating institution has given the other institution written notice at least 90 days prior to the effective date of such termination and further provided that no such termination shall adversely affect any student attending or accepted by CPS by virtue of the terms of this Agreement. In the event that the said Agreement is not terminated, it will automatically be extended year by year.
9. The parties agree that this Agreement embodies all of the agreements made by and between then supersedes any prior agreements and the understanding with regards to the acceptance of QCC students into CPS and that any modifications or amendments thereof must be in writing executed by both parties in order to be effective. The Agreement is being executed within the Commonwealth of Massachusetts and the parties agree that this Agreement shall be interpreted under the laws of said Commonwealth.



Northeastern University

College of Professional Studies

Transfer Articulation Guide

Quinsigamond Community College AA Liberal Arts-Biology to Northeastern University College of Professional BS Biotechnology

Quinsigamond Community College, AA in Liberal Arts-Biology Curriculum			Northeastern University College of Professional Studies, BS in Biotechnology Equivalencies		
First Semester (14 credits)					
BIO 107	Principles of Biology I	4	BIO 1100 + BIO 1101	Principles of Biology I + Lab	4
CHM 105	General Chemistry I	4	CHM 1100 + CHM 1101	General Chemistry I + Lab	4
ENG 101	Composition I	3	ENG 1105 + ENG 1106	College Writing I + Writing Lab I	3
MAT 122	Statistics	3	MTH 2310	Statistics for the Social and Behavioral Sciences	3
Second Semester (14 credits)					
BIO 108	Principles of Biology II	4	BIO 1200 + BIO 1201	Principles of Biology II + Lab	4
CHM 106	General Chemistry II	4	CHM 1200 + CHM 1201	General Chemistry II + Lab	4
ENG 102	Composition II	3	ENG 1107 + ENG 1108	College Writing II + Writing Lab II	3
MAT 123*	College Mathematics 1: Pre-Calculus	3	MTH 1990	MTH Elective	3
Third Semester (17 credits)					
BIO 262	Principles of Genetics	4	BIO 2500 + BIO 2501	Genetics and Molecular Biology + Lab	4
<i>CHM 201, PHY 101 or PHY 105 Recommended: PHY 101 or PHY 105 **</i>	Physics 1 or General Physics I	4	PHY 1200 + PHY 1201	Physics I + Lab	4
MAT 124*	College Mathematics II: Trigonometry	3	MTH 1200	Precalculus	3
<i>Literature, Philosophy or Language Elective Recommended: PHI 103</i>	Introduction to Ethics	3	PHL 2140	Ethical Issues in Science and Engineering	3
<i>History Elective Recommended: HST 115 or HST 116</i>	U.S. History: Beginning to 1865 or U.S. History: 1865 to Present	3	HST 1200 or HST 1250	American History 1: Precontact to the Civil War or American History 2: Reconstruction to the Present <i>(SI + DD Core)</i>	3

Fourth Semester (17 credits)					
BIO 231 or BIO259 Recommended: BIO 231	General Microbiology	4	BIO 2100 + BIO 2101	Microbiology + Lab	4
<i>CHM 202, PHY 102 or PHY 106</i> Recommended: If completed PHY 101, take PHY 102 or if completed PHY 105, take PHY 106 **	Physics 2 or General Physics 2	4	PHY 2200 + PHY 2201	Physics II + Lab	4
<i>Creative Arts Elective</i> Recommended ENG 203	Writing Poetry	3	ENG 3220	Writing Poetry (<i>El Core</i>)	3
<i>Social Science Foundational Elective</i> Recommended ANT 111	Cultural Anthropology	3	ANT 1150	Cultural Anthropology (<i>IC/SI Core</i>)	3
<i>Multiple Perspectives in Humanities Elective</i>	Choose from ART 260, ASL, ENG 231, ENG 232, ENG 261, ENG 262, FRC, GER, HUM 147, HUM 211, MUS 121, PHI 121, PHI 123, PHI 201, SPN	3		(<i>Open Elective</i>)	3
Total Credits Accepted for Transfer					62
Total Transfer Credits Applied to BS Degree					62

* QCC students who place into and complete MAT 233 Calculus I and/or MAT 234 Calculus II may substitute those courses in the Liberal Arts-Biology associate degree and have those credits apply towards Northeastern University-CPS General Foundational requirements in the BS in Biotechnology degree.

**QCC students may choose to complete CHM 201 Organic Chemistry I and CHM 202 Organic Chemistry II in the Liberal Arts-Biology program. Northeastern University-CPS requires both Organic Chemistry I+II and Physics I+II. Students who complete the Organic Chemistry series at QCC will need to complete the Physics series at Northeastern University-CPS.

BS in Biotechnology
Courses to be taken at CPS

General Foundation			
Course Number	Title	Credits	Pre-Requisites
ENG 3105 + ENG 3106	Writing for the Professions-Sci and Eng + Lab	4	ENG 1105 + ENG 1106 ; co-requisite ENG 3106
General Foundation Total		4	
Biology Foundation			
MTH 2100*	Calculus 1	3	MTH 1200
MTH 2105*	Calculus 2	3	MTH 2100
ITC 1000 <i>or</i> ITC 2016	Computer Applications <i>or</i> End-User Data Analysis Tools	3	
Biotechnology Foundation Total		9	
Major Required Courses			
BTC 1300 +1301	Introduction to Biotechnology	4	BIO 1200 + BIO 1201
CHM 2110 + CHM 2111	Organic Chemistry I + Lab	4	CHM 1200 + CHM 1201
CHM 2210 + CHM 2201	Organic Chemistry II + Lab	4	CHM 2110 + CHM 2111
CHM 2300 + CHM 2301	Analytical Chemistry + Lab	4	CHM 1200 + CHM 1201
BIO 2300	Cell Biology	3	BIO 1200 + BIO 1201
BIO 3100 + BIO 3101	Biochemistry + Lab	4	BIO 1200 + BIO 1201
BTC 4450	Quality Control and Validation Issues	3	BTC 1300 + MTH 2310 <i>or</i> MTH 3300
BTC 4850	Biotechnology Senior Project	3	BIO 2300 and BIO 2500
Major Required Courses Total		29	
Major Electives: Choose 6 semester hours from BTC, 3 semesters hours from BIO, HSC or BTC			
BIO 1600 + BIO 1601	Human Anatomy and Physiology I and Lab	4	BIO 1200 + BIO 1201
BIO 1700 + BIO 1701	Human Anatomy and Physiology II and Lab	4	BIO 1600 + BIO 1601
BTC 3300	Biomaterials	3	BIO 1200 + BIO 1201
BTC 4200	Genomics, Proteomics and Bioinformatics	3	BTC 1300 + BIO 2500
BTC 4300	Biotechnology Processing	3	BTC 1300 + BIO 2300
HSC 1200	Nutrition	3	
HSC 3300	Epidemiology	3	MTH 2300, MTH 2310 <i>or</i> MTH 3300
HSC 3310	Pathophysiology	3	BIO 1200 + BIO 1201
HSC 3320	Pharmacology	3	CHM 1200 + CHM 1201
Major Electives Total		9-10	
Open Electives Total		9-10	
Credits to be taken at CPS		61	
Total Credits required for CPS BS Biotechnology		123	

TRANSFER ARTICULATION GUIDE REVIEWED AND APPROVED BY

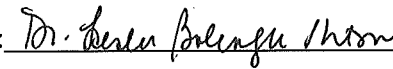
QUINSIGAMOND COMMUNITY COLLEGE

BY: 

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TITLE: Interim Vice President of Academic Affairs

DATE: 5/21/18

BY: 

PRINT: Leslie Horton, Ed.D.

TITLE: Dean, School of Math & Science

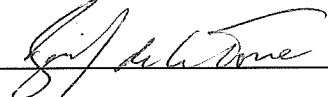
DATE: 5/17/18

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TITLE: Coordinator of the Liberal Arts -
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DATE: 05/18/18

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PRINT: Daniel de la Torre

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